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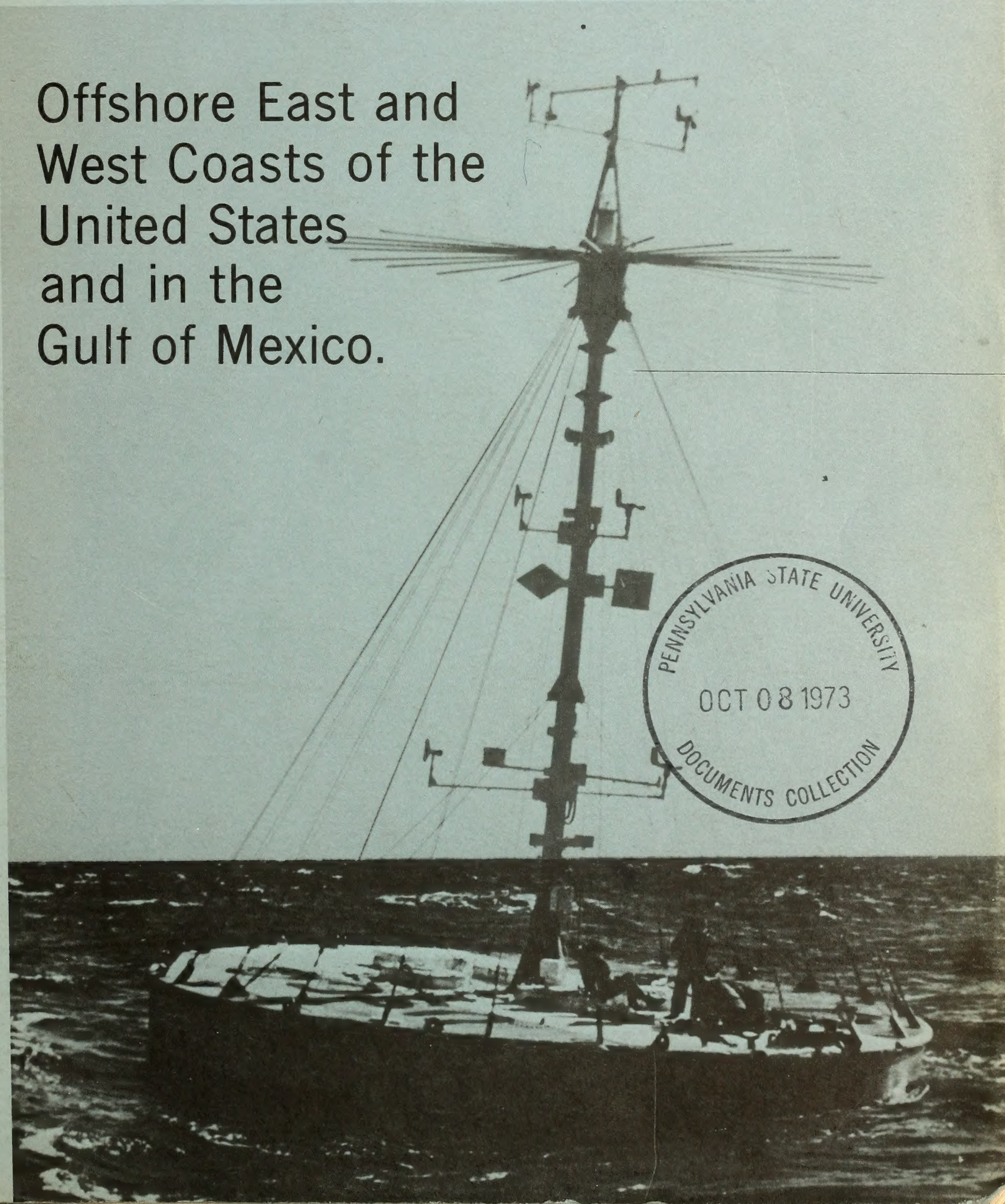
Environmental Conditions Within Specified Geographical Regions

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Environmental Data Service

Offshore East and West Coasts of the United States and in the Gulf of Mexico.



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APRIL 1973

Environmental Conditions Within Specified Geographical Regions

Offshore East and West Coasts of the United States and in the Gulf of Mexico

FINAL REPORT

Prepared for: The National Data Buoy Center, National Ocean Survey, National Oceanic and Atmospheric Administration

By: The Interagency AD HOC Task Force

Coordinated by: National Oceanographic Data Center, Environmental Data Service, National Oceanic and Atmospheric Administration

Sidney O. Marcus, Jr., Coordinator/Project Officer

U. S. Depository Copy

Work Done Under NOAA National Data Buoy Center Request for Procurement P18-17, August 13, 1970

Foreword

The NOAA Data Buoy Office (formerly National Data Buoy Center) 'Requirements Development Plan" contained a requirement element for "Analysis of Environmental Conditions Within Specified Geographical Regions." The National Oceanographic Data Center (NODC) proposed to lead an ad hoc Task Force in the development of this element. The National Data Buoy Center (NDBC) submitted a work request, accompanied by the necessary funds. The final results are hereby presented to the NOAA Data Buoy Office (NDBO).

The objectives of this effort are to provide an analysis of regional climatological environmental conditions for planning data-buoy tests, for assistance in definition of requirements, support of engineering design, deployment, and tests of buoys and buoy networks, both developmental and operational. The report should provide an informational data base in standard formats containing regional parameter and phenomenological characteristics.

By using an interagency ad hoc task force approach, the NDBO was able to obtain the special talents and expertise of leaders in their respective fields.

Thomas S. Austin
Robert V. Ochinero
Task Force Chairmen

Interagency Ad Hoc Task Force

This report, *Environmental Conditions Within Specified Geographical Regions,* is the result of the combined efforts of the following specialists from the organizations indicated who comprised the Interagency ad hoc Task Force.

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The Interagency ad hoc Task Force was formed in October 1970 and dissolved in January 1972.

Abstract

The data and information in this digest report are presented for the benefit of those in the marine engineering field in general, and the NOAA Data Buoy Office (NDBO) personnel in particular, and as a base for anticipated future data from buoys. Matrices and graphical presentations of observed data and existing summaries are produced here to assist in the decision-making processes required of the NDBO engineers and planners. The work is faithful to the requirements for optimum decision-making in the design, development, testing, and deployment of buoys and buoy-mounted sensors. Being a digest of existing data and information, it does not attempt to produce any new knowledge nor to further develop existing knowledge in the marine sciences, in the academic sense.

The authors had hoped that *all* available information would be included in this digest and that the presentations would be ideal in every sense. This was not possible, however, largely because the amount of money for the work was limited. No new computer programs were to be developed, and time was a factor in the preparation. Examples of these limitations are the use of standard deviations in the ocean temperature matrices rather than percentile frequencies, because of the existing computer programs, and the passing over of numerous published works in the field of phenomenonological climatology. (The number of such papers is enormous.)

Presentation of Data

I. ATMOSPHERIC (STATIC)

Percentile occurrences of surface meteorological parameters in the American coastal waters are presented by months for subregions and miniregions. Included are air and sea temperatures, atmospheric pressure, wind speeds and directions, and ocean wave heights. Monthly roses of winds, seas, and swell are also reproduced here.

II. ATMOSPHERIC (DYNAMIC)

A monthly matrix of speed, direction, and duration of storm centers is presented. Graphically, by months and by season, mean storm tracks, areas of cyclogenesis, persistence of favorable and unfavorable seas, and wave period graphs are included.

III. ATMOSPHERIC STATISTICAL EXTREMES (MATHEMATICAL SIMULATIONS)

By use of the statistics of extremes, the extreme recurrence values anticipated in 2, 5, 10, 25, and 50 years for areas of 5° latitude by 5° longitude are developed for maximum and minimum air and sea surface temperatures, and atmospheric pressures; and extreme sustained wind speeds, peak wind speeds, and wave heights

IV. HURRICANES AND TROPICAL STORMS

A complete set of statistics in tables and on maps describing, by areas of 2.5° latitude and 2.5° longitude and for two seasons, the frequency distributions of tropical cyclone parameters and phenomena is provided. Included are frequencies of occurrence and frequencies of tropical cyclogenesis, speed of translation of tropical cyclone centers, maximum winds observed, maximum winds anticipated in recurrence intervals of 2, 5, 10, and 20 years, and tropical storm and hurricane movement roses.

V. WAVE SPECTRA

Spectral values of ocean waves in 15 frequency bands for eight points in the western North Atlantic Ocean in the month of January 1959 are presented. These values are given as an aid to the engineering decision-making process in regards to wave sensor development and deployment. In addition to the spectral values, wave spectra graphics and one-dimensional wave height analogs are presented.

VI. OCEANOGRAPHIC (STATIC)

Cross-sectional nondimensional temperature profiles are presented seasonally for two tracks in the Atlantic Ocean, two tracks in the Pacific Ocean, and one across the Gulf of Mexico. From BT's, computer printouts of vertical temperature traces (digital and analog), standard deviations of subsurface temperatures, and vertical temperature gradients are given by months for subregions of the United States coastal waters. For selected miniregions ocean station data, rather than BT's, are arrayed in a similar statistical presentation, by seasons. Surface current roses are reproduced and statistical breakdowns of speeds and directions are presented by subregions determined by the U.S. Naval Oceanographic Office. Subsurface current vertical profiles and vertical current shears are given.

VII. OCEANOGRAPHIC (DYNAMIC)

Information is presented on ocean phenomena. Data are quantitatively insufficient to use in preparing the statistics of percentile or standard deviations, so the phenomena, their "expected" behavior, and their aberrations are uniquely treated. "Signatures" of the more prominent phenomena are presented as matrices. Included are the Gulf Stream System, Slope Front, Loop Current, California Current System, upwelling, and Red Tide.

Acknowledgments

The Task Force Coordinator, acting for the Chairmen, developed the plans and coordinated the programs. This involved the homogenization of many diverse input formats, and preparing them in an orderly, cohesive, yet comprehensive, publication. This work therefore required outstanding team work support within the National Oceanographic Data Center. Most notable members of this team were librarians, Mrs. Charlotte Ashby and Mrs. Mary Pratt; illustrators, Mrs. W. L. Bowe, Mr. William Lyons, and Mr. Edwin Seremeth: typists, Mrs. Dorothy McClure and Miss Maxine Tyree; and clerical assistant, Mrs. Joyce Peters. Appreciation is also acknowledged for the excellent work done by computer programmers, Mr. John Ward and Mrs. Sally Heimerdinger. The many hours of hard work and the dedication of these NODC employees working together made possible the completion of this report. Mr. Ralph Zettel of the NOAA Data Buoy Office, by his continued faith in the joint project and invaluable guidance from the very beginning, has also earned a large measure of appreciation.

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I. Atmospheric Conditions (Static)

A. SYNOPTIC WEATHER MAPS

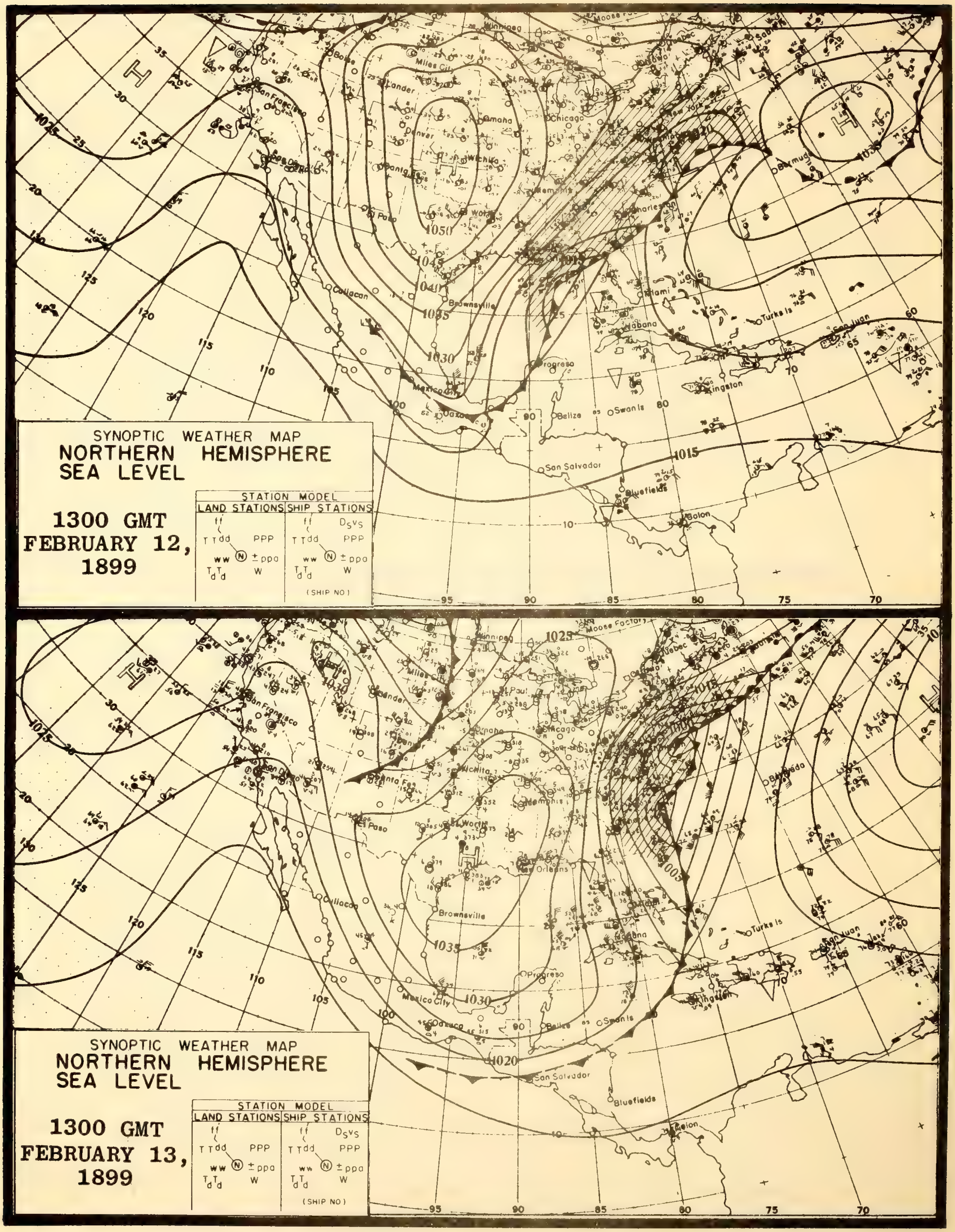


Figure I-1.-- Synoptic Weather Maps, Northern Hemisphere, Sea Level, February 12-13, 1899.

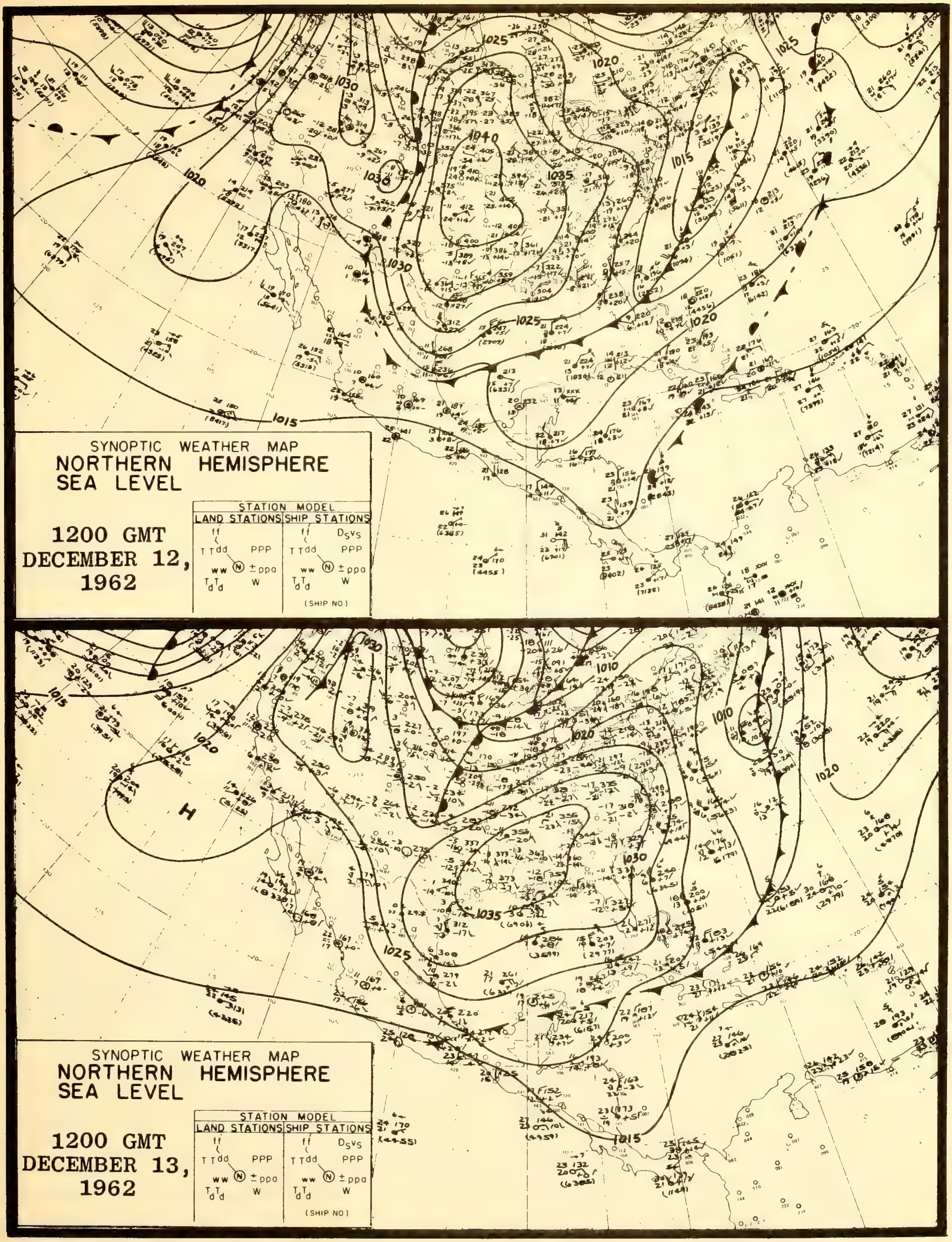


Figure I-2.-- Synoptic Weather Maps, Northern Hemisphere, Sea Level, December 12-13, 1962.

B. INTRODUCTION

All the tabulations presented in atmospheric conditions (static) were developed from the marine data tape file (TDF-11) available at the National Climatic Center (NCC). The marine observations available in this data base and any statistics developed from them must be used with caution because of errors and biases inherent in marine weather observations. Some of the problems associated with evaluation of marine meterological observations are that:

1. Marine weather observations are biased toward good weather, because ships avoid hazardous weather if at all possible. This is especially true in recent years as optimum track ship routing has become routine for ships operated by the U. S. Navy and many of the ships in the merchant marine fleet, and the marine forecasts and communications have been improved constantly.

2. Thousands of observations have been taken along shipping lanes, while data are sparse or nonexistent in other areas. It is common to see "no observations – coastal waters" entered on the weather forms from ships.

3. There is an important difference between weather observations entered on ship forms and those placed in TDF-11. The merchant fleet uses forms designed primarily for real-time transmission to forecasters. The observations are taken at fixed times (0000, 0600, 1200, and 1800 GMT) and entered on the forms. The probability of extreme conditions occurring at the ship's position at the fixed time is remote. Additional observations may be taken at any time and transmitted by radio to forecast centers. When the data are converted from ship forms to tape, only the 0000, 0600, 1200, and 1800 GMT observations are generally used. This means that for a significant weather event to be found on magnetic tape (TDF-11), that event must have occurred at a reporting ship's position and at one of the four synoptic hours.

The development of statistics that will be useful in buoy design and deployment decisions is most seriously hampered by the "fair weather" bias mentioned in 1. above. Ships are generally routed around bad weather. When bad weather cannot be avoided, they may not always make an observation. For instance, if ship logs and other sources are examined, many cases of unusual and extreme weather are noted, but as mentioned in 3. above, these rarely appear in marine observations. Following are some specific examples of this inability to report severe weather accurately in marine observations:

a. In September 1935, the minimum pressure reported for a hurricane crossing the Florida Keys was 892 mb. The minimum pressure for that area, determined from the NCC marine data base, was 995 mb.

b. The minimum pressure associated with Hurricane Camille (August 1969) as it crossed the Gulf Coast was observed to be 901 mb, whereas the marine data base contains a minimum pressure of 999 mb for that area. The wind associated with Camille was estimated to be 175 kt whereas maximum wind, as determined from marine observations for that area, is less than 100 kt.

c. Ship logs revealed that a storm on March 9, 1969, produced 80-kt winds and 100-ft waves at 41.4°N and 58.0°W with a low pressure of 954 mb. The TDF-11 indicates that the highest recorded wind was 68 knots, the minimum pressure 965 mb, and the maximum wave 39 feet (from the March summary for this area).

d. In August 1970, Hurricane Celia produced 87-knot winds with an associated central pressure of 975 at 24°N and 87°W. Marine observations indicate extremes of 47 knots and 1,000 mb during August for this area.

e. On March 26, 1971, the Kotura Maru reported 55-knot winds and 31-foot seas at 40°N and 130°W. The distributions derived for this area for the month of March indicate maximum winds of 51 knots and extreme wave heights of 15 feet.

The literature is replete with accounts of unusual or extreme environmental conditions at sea, but they rarely appear in the data bank. These discrepancies between real conditions and the resulting statistics will be overcome when appropriately positioned fixed buoys provide continuous surveillance and readout of weather conditions on a regular basis.

This report contains theoretical extreme value distributions of the marine meterological parameters (air temperature, sea temperature, pressure, wind, and waves). These distributions can provide reasonable estimates of extreme conditions in the areas of concern.

4. Serious difficulty may be encountered during any analysis of marine observations if estimates of conditions that are produced by phenomena of short duration (24 hours or less) are required. This is because the observations are often random in space and time; therefore, the probability that a ship will observe and report such phenomena is extremely small. Fast-moving winter cold fronts that occasionally move across the Gulf of Mexico are good examples. These can result in very cold (below freezing) air pouring over the water. The air is modified so rapidly by the warm water that only a short time interval exists for observation of this phenomenon. Figure I-1 contains the Synoptic Weather Maps for February 12 and 13, 1899. The February 12 map shows a low pressure system moving rapidly into the Gulf. Behind the cold front, air with temperatures below 0°F is beginning to blow across the Gulf Coast. The subsequent map (February 13, 1899) shows the cold

front across Central America and the cold high pressure system centered on the Gulf Coast. This sytem produced record-breaking temperatures of 12°F at Brownsville, Tex. Figure I-2 depicts a similar situation in December 1962.

The meteorological data base provided with this report has been modified to include extreme temperatures associated with these types of phenomena (1 to 4 above) even though marine observations taken during such events are virtually nonexistent. A buoy network in the Gulf would provide valuable information on the extent and rate of modification during these cold air outbreaks.

5. Observational and coding practices have in some cases tended to mask the parameter distributions and in specific cases have caused serious errors in the distributions. For instance, analysis of the annual extremes of wave heights indicates that preferred wave heights over the ocean tend to be 15 and 30 ft. This is caused by observational practices and may not represent the true conditions. In some cases the distributions of wind speed are truncated at the upper end because of coding practices.

Four kinds of information on waves are contained in this report. They are:

(1) Climatological summaries of the visual observations of waves obtained from conventional ship reports,

(2) Sea and swell roses,

(3) Probabilistic predictions of extreme wave heights as given in Section III entitled "Statistical analysis of extreme . . . . "

(4) Summaries of hindcasted waves and wave spectra in the month of January 1959, as prepared by Code 7700 of the U.S. Naval Oceanographic Office.

The ship reports are given as climatological summaries in the 62 different meteorological subregions shown in Figure I-5 for the period of record of TDF-11 (generally 100 years or more).

The first thing to note in the climatological tabulations of wave heights is the frequency distribution of the annual extreme value as tabulated below.

Distribution of annual extreme value

Height (ft)	*Frequency*
19	1
20	2
22	2
23	1
24	1
25	6
26	3
31	13
32	12
33	4
34	1
39	2
40	6
41	1
48	1
49	1
60	4
70	1
Total	62

Twenty-nine of the 62 areas (47 percent) report an extreme wave of either 31, 32, or 33 ft. This height corresponds to the upper end of the wave height code used until recently by ships in which the height was coded to the nearest 0.5 up to 4.5 m and then a 50 was added to the wave direction to go to 9.5 m. Waves higher than this tend to be coded in words at the end of the message. The 40-, 60-, and 70-ft waves were just too big to ignore in the areas where they occurred.

The next thing to note is the high frequency of the heights of 14, 15, and 16 ft and 31, 32, and 33 ft throughout the tables. The first sequence represents the reluctance of the observers to add a 50 to the wave direction in the wave code. The record series again represents a reluctance to report waves over 10 m. It does not seem advisable to base the design and installation of data buoys on the assumption that preferred wave heights on the ocean tend to be 15 and 30 ft. It is difficult to know what these distortions do to the interpretation of the data for design purposes.

Comparison of estimated significant wave heights with waves recorded by British Weather Ships equipped with the Tucker shipborne wave recorder has been made for cases where the transient ship was close to the weather ship. In general, the transient ship reports were scattered sufficiently above and below the measured values to be considered in error by a factor of two.

The highest waves in these areas of tabulation are 70 ft in area 10 (off South Carolina), 60 ft for areas 8 and 9 off Delaware Bay and Chesapeake Bay, and 60 ft in areas 22 and 24 off California. These extremes probably occurred during hurricanes.

A number of these areas are partially on and partially off the Continental Shelf. The data should be treated with caution in these areas. Wave refraction could either increase or decrease the heights of the observed waves compared to their heights in the deep-water parts of the area. This is particularly true for the higher waves with low frequencies in their spectra.

The wave and swell roses are based on ship reports and should be interpreted in the same way as the tabulations of wave heights.

The extreme wave height statistics in areas A through I (Section III) predict waves as high as 136 ft in 50 yr and 94 ft in 10 yr. For comparison, the highest waves measured by the Tucker shipborne wave recorded at Weather Ships I and J had significant wave heights of 55 ft with the highest wave in 100 equal to about 83 ft in this same observation. Data buoys designed for these extreme values would undoubtedly be conservatively designed.

The computations in section V, "Wave spectral analyses in 15 frequency bands", use 6-hr synoptic and climatological wind data and hindcasts the spectra of the waves by means of computer-based procedure. For verification statistics, see Bunting and Moskowitz (1970). Since the data here are hindcasts and not forecasts, they could be more accurate than the results obtained in the above-cited study because errors in forecasting the wind field do not enter. The data will be particularly useful in solving design problems involving wave spectra.

C. DATA

The data in this section were all derived from the NCC's marine data tape file, TDF-11. TDF-11 was derived from a variety of punched card decks. Observations were obtained from ship logs, ship weather reporting forms, published ship observations, automatic observing buoys, teletype reports, and on cards purchased from several foreign Meteorological Services. There are over 31 million surface marine observations from all parts of the world's oceans in TDF-11, from the period 1800 to June, 1968.

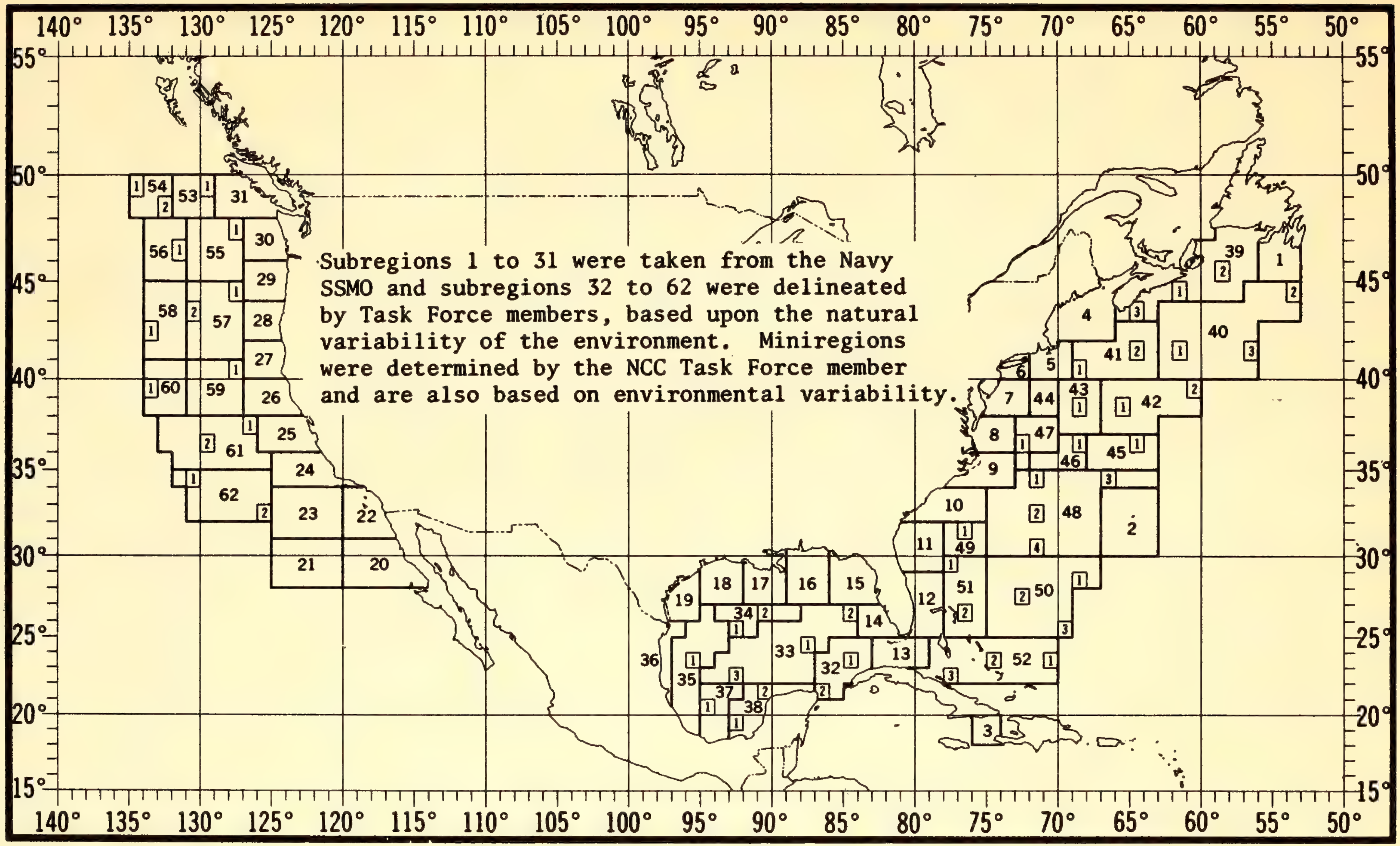
In the statistics that follow, the summaries for subregions 1-31 were derived from the U.S. Naval Weather Service Command's *Summary of Synoptic Meteorological Observation's* (SSMO) which is based on TDF-11. Summaries for subregions 32-62 and all miniregions were derived directly from TDF-11.

1. Percentile Distributions of Meteorological Data Observed at Sea, Based on TDF-11.

a. Marine meteorological regions, subregions, and miniregions.

Figure I-3 shows the specified geographical regions and their subdivisions for marine meteorological parameters, or atmospheric conditions (static). The three regions are the Gulf of Mexico and U.S. coastal areas out to about 500 nmi in the Atlantic and Pacific Oceans. The 62 subregions are shown in the figure. Numbers 1 to 31 were copied directly from the SSMO. Numbers 32 to 62 were delineated by the NODC and NCC Members of the Task Force after careful study of the available atlases. The miniregions were selected by the NCC member of the Task Force and are based on the variability of parameters within the subregion. Statistics of the miniregions should help clarify the nature of the dispersions of data within the subregions.

All percentile distributions are by subregions, monthly, and annual, showing minimum, 1, 5, 25, 50, 75, 95, and 99 percentiles, the maximum, and monthly and annual ranges of values. These are all percentiles of all the individual observations available in TDF-11, without any filters, averages, or other processes.



Subregions 1 to 31 were taken from the Navy SSMO and subregions 32 to 62 were delineated by Task Force members, based upon the natural variability of the environment. Miniregions were determined by the NCC Task Force member and are also based on environmental variability.

Figure I-3.-- Specified environmental regions, marine meteorological subregions, and miniregions.

b. Surface air temperatures

Table I-1.--Percentiles of all surface air temperatures (°F) in TDF-11 by months by subregion

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
01															
	Min.	5	8	9	21	30	30	40	47	43	33	26	10	5	42
	01	14	12	17	25	30	36	44	49	44	36	28	21	18	37
	05	19	17	22	28	33	39	46	52	48	41	32	25	25	35
	25	25	23	26	31	36	42	50	56	52	45	37	30	33	33
	50	32	30	31	34	39	46	53	59	56	50	41	35	41	29
	75	36	34	34	37	43	50	57	63	60	54	46	40	50	29
	95	41	39	37	41	47	54	61	67	64	58	51	45	59	30
	99	47	45	41	45	52	59	65	71	67	62	55	50	64	30
	Max.	57	52	49	69	72	65	78	76	77	67	67	69	78	29
	Range (1 - 99)	33	33	24	20	22	23	21	22	23	26	27	29	46	
02															
	Min.	43	38	46	48	58	60	70	67	65	61	57	51	38	32
	01	53	50	52	55	61	67	72	73	71	66	60	55	54	23
	05	57	54	56	58	64	70	74	75	74	69	63	60	59	21
	.25	61	58	60	62	67	72	76	78	76	72	66	64	65	20
	.50	65	63	64	65	70	75	78	80	79	75	70	69	71	17
	.75	68	67	67	68	73	78	81	82	81	78	73	72	76	15
	95	72	70	70	71	76	81	84	85	84	71	76	75	82	15
	99	75	73	73	75	79	85	88	88	87	84	80	78	86	15
	Max.	82	82	82	86	89	94	94	96	95	90	87	81	96	15
	Range (1 - 99)	22	23	21	20	18	18	16	15	16	18	20	23	32	
03															
	Min.	62	65	64	62	70	69	71	67	73	69	66	65	62	11
	01	67	67	68	70	72	74	75	75	75	73	70	69	69	8
	05	70	71	72	74	75	77	78	77	78	76	75	73	73	8
	25	73	74	75	76	77	79	81	80	80	79	78	75	76	8
	50	77	78	78	79	80	82	83	82	82	82	81	78	80	6
	75	80	81	81	81	83	85	86	85	84	84	84	81	83	6
	95	83	84	85	84	86	88	88	87	87	87	87	83	86	5
	99	87	88	88	87	90	92	91	90	90	90	91	87	89	4
	Max.	92	91	91	93	95	95	95	95	100	98	97	93	100	9
	Range (1 - 99)	20	21	20	17	18	18	16	15	15	17	21	18	20	

Table I-1.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
04	Min.	- 3	2	11	25	33	41	45	48	42	32	26	7	- 3	51
	01	10	11	18	28	36	42	47	48	46	37	29	17	18	38
	05	18	19	25	34	38	44	49	50	50	43	33	24	27	32
	25	26	27	30	37	41	48	55	55	54	48	38	30	37	29
	50	34	34	36	41	45	52	61	61	59	53	44	37	47	27
	75	40	39	40	46	51	59	67	66	64	58	49	44	57	28
	95	46	44	45	51	57	66	73	72	69	62	54	50	67	29
	99	51	49	51	57	66	74	80	80	75	68	58	54	74	31
	Max.	70	67	74	83	85	87	88	87	85	76	64	65	88	24
	Range (1 - 99)	41	38	33	29	30	32	33	32	29	31	29	37	56	
05	Min.	10	18	14	20	22	42	46	50	46	35	15	4	4	46
	01	16	16	23	33	39	47	54	57	52	42	33	19	23	41
	05	23	23	29	37	42	50	59	61	56	47	39	28	32	38
	25	30	30	34	41	46	54	64	66	61	53	46	35	43	36
	50	38	37	40	45	51	59	69	70	66	58	52	43	54	33
	75	44	43	45	50	56	65	74	74	71	63	58	50	64	31
	95	51	49	51	55	61	70	78	78	76	69	64	56	73	29
	99	56	55	57	60	66	76	83	82	80	74	69	61	78	28
	Max.	66	60	71	73	80	88	90	91	85	79	73	71	91	31
	Range (1 - 99)	40	39	34	27	27	29	29	25	28	32	36	42	55	
06	Min.	9	10	18	27	31	48	58	54	42	39	26	13	9	49
	01	14	13	22	33	42	51	59	60	52	40	29	18	20	47
	05	21	18	29	38	46	55	63	64	56	45	38	24	30	46
	25	29	27	34	42	51	59	67	68	61	52	45	32	42	41
	50	37	35	40	46	56	64	71	72	67	59	52	40	54	37
	75	43	41	46	52	61	69	75	76	72	64	57	46	64	35
	95	49	47	53	58	67	74	80	80	77	69	63	53	75	33
	99	55	51	63	66	73	79	85	85	82	74	67	57	80	34
	Max.	66	62	74	84	83	90	90	90	89	82	70	64	90	28
	Range (1 - 99)	41	38	41	33	31	28	26	25	30	34	38	39	60	

Table I-1.--Continued

Sub-region	Percentile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
07															
	Min.	12	12	14	31	38	46	58	55	40	38	28	16	12	46
	01	19	19	26	35	43	53	64	64	55	44	34	23	25	45
	05	26	25	32	39	46	56	68	67	60	49	40	29	34	42
	25	34	34	37	44	50	60	72	71	65	55	47	36	46	38
	50	42	41	43	48	55	65	75	74	71	61	54	44	57	34
	75	49	48	49	54	61	70	79	78	75	67	59	51	67	31
	95	57	55	55	60	67	75	84	82	80	72	65	58	77	29
	99	62	61	62	68	74	80	89	87	84	77	69	63	82	28
	Max.	78	75	77	83	90	92	93	93	90	86	76	75	93	18
	Range (1 - 99)	43	42	36	33	31	27	25	23	29	33	35	40	57	
08															
	Min.	15	10	23	32	42	50	63	62	48	36	25	15	10	53
	01	23	24	30	39	46	56	67	66	59	47	37	27	29	44
	05	30	30	35	43	50	60	70	69	64	53	43	34	37	40
	25	38	38	41	48	55	65	74	73	69	59	50	42	49	36
	50	46	45	47	53	61	70	77	76	74	64	57	50	60	32
	75	54	54	55	60	68	75	81	80	79	69	63	58	69	27
	95	63	61	63	68	75	81	85	83	83	74	69	65	79	24
	99	71	68	70	74	83	88	90	88	88	78	74	71	84	22
	Max.	79	77	84	87	92	95	96	95	95	88	84	79	96	19
	Range (1 - 99)	48	44	40	35	37	32	23	22	29	31	37	44	55	
09															
	Min.	26	21	28	38	48	53	66	66	50	44	36	25	21	45
	01	32	31	36	44	53	62	70	70	63	52	43	35	37	39
	05	38	38	41	49	59	67	73	74	68	58	49	41	45	36
	25	46	47	49	56	65	71	76	77	72	64	57	50	57	31
	50	55	55	57	64	71	76	80	80	77	70	65	58	69	25
	75	62	62	64	70	75	79	84	83	80	74	70	65	75	22
	95	70	69	71	75	79	83	87	86	84	78	75	72	82	18
	99	74	73	75	80	84	87	92	89	88	81	79	76	86	19
	Max.	85	84	84	90	94	95	95	95	95	90	86	85	95	11
	Range (1 - 99)	42	42	39	36	31	25	22	19	25	29	36	41	49	

Table I-1.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
10															
	Min.	31	25	31	46	55	62	68	68	59	51	41	28	25	43
	01	38	36	42	51	61	67	72	72	68	57	48	39	43	36
	05	44	44	49	56	66	71	75	75	72	63	54	46	51	31
	25	53	53	57	62	70	74	78	77	75	68	61	54	61	25
	50	61	61	65	68	74	78	81	80	79	73	69	62	71	20
	75	67	67	70	72	77	81	85	83	81	77	73	67	76	18
	95	72	73	76	75	81	85	88	86	84	80	77	73	82	16
	99	75	77	80	79	86	89	91	90	88	84	81	77	86	16
	Max.	85	83	88	88	94	95	96	95	95	89	92	83	96	13
	Range (1 - 99)	37	41	38	28	25	22	19	18	20	27	33	38	43	
11															
	Min.	36	35	36	52	60	50	69	70	67	55	45	39	35	35
	01	44	42	48	57	66	71	74	74	71	62	52	46	49	32
	05	51	51	53	62	70	74	78	77	75	67	59	54	57	27
	25	59	59	60	67	73	76	81	79	77	71	65	61	66	22
	50	67	67	68	72	77	79	83	82	80	76	72	69	75	16
	75	72	72	72	76	80	82	87	86	83	79	75	74	80	15
	95	77	77	76	79	84	86	90	89	86	83	79	78	85	14
	99	80	81	81	84	88	91	94	93	90	87	83	82	89	14
	Max.	90	89	91	90	95	96	98	97	96	93	90	90	98	9
	Range (1 - 99)	36	39	33	27	22	20	20	19	19	25	31	36	40	
12															
	Min.	39	40	45	53	63	69	65	69	66	60	50	45	39	30
	01	50	49	55	62	68	72	74	75	73	67	57	53	55	26
	05	57	56	61	66	71	74	77	79	76	72	64	60	63	23
	25	64	63	67	70	73	76	79	81	78	76	69	64	70	18
	50	71	69	73	74	76	79	81	84	81	80	74	72	77	15
	75	75	74	77	78	79	82	84	87	84	83	77	76	81	13
	95	78	77	81	81	83	85	87	90	87	86	81	79	86	13
	99	81	81	86	85	87	88	91	94	90	90	85	84	90	13
	Max.	88	91	93	95	95	95	99	99	99	96	94	92	99	11
	Range (1 - 99)	31	32	31	23	19	16	17	19	17	23	28	31	35	

Table I-1.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
13	Min.	33	40	45	54	60	66	70	72	66	56	52	40	33	39
	01	55	54	59	65	71	74	76	76	75	70	61	58	60	22
	05	60	61	64	69	74	76	78	79	79	74	69	64	67	19
	25	66	68	69	72	76	78	80	82	81	77	73	69	73	16
	50	72	73	75	75	79	80	82	84	84	80	78	74	79	12
	75	75	77	78	79	82	83	85	87	87	82	81	78	83	12
	95	79	80	82	82	85	86	88	90	90	85	84	81	87	11
	99	83	83	86	86	89	89	92	94	94	89	88	85	91	11
	Max.	89	90	93	93	95	98	100	100	99	95	95	90	100	11
	Range (1 - 99)	28	29	27	21	18	15	16	18	19	19	27	27	31	
14	Min.	25	23	36	45	55	66	70	71	65	50	45	35	23	48
	01	56	52	57	63	70	73	76	75	75	69	59	56	58	24
	05	59	58	61	67	73	76	79	78	77	73	65	60	64	20
	25	65	65	67	71	75	78	81	80	79	76	70	65	71	15
	50	70	70	73	74	78	80	83	82	81	79	75	70	78	13
	75	74	75	77	78	81	83	86	85	84	82	77	74	83	12
	95	78	79	82	82	85	86	89	88	87	85	80	77	87	12
	99	84	85	87	87	89	90	93	93	92	89	84	82	92	11
	Max.	86	88	88	92	90	94	96	98	99	91	90	88	99	13
	Range (1 - 99)	28	33	30	24	19	17	17	18	17	20	25	26	34	
15	Min.	20	15	26	38	48	65	68	70	60	40	35	25	15	55
	01	42	48	50	59	66	72	75	77	72	62	54	45	50	35
	05	50	52	55	62	70	75	78	78	75	68	59	53	58	28
	25	57	58	61	67	73	77	80	80	78	73	65	59	67	23
	50	64	65	68	71	77	80	82	83	82	77	72	66	76	19
	75	69	70	73	75	80	83	85	86	85	80	75	71	81	17
	95	75	74	78	79	84	87	89	88	88	83	79	75	86	15
	99	79	78	81	82	88	91	93	91	92	86	84	79	90	15
	Max.	81	82	86	86	89	94	95	94	100	89	89	81	100	19
	Range (1 - 99)	37	30	31	23	22	19	18	14	20	24	30	34	40	

Table I-1.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
16															
	Min.	16	13	25	38	50	66	68	70	60	40	28	20	13	57
	01	42	43	48	57	66	72	75	74	70	61	51	45	49	33
	05	49	51	54	62	70	75	79	78	76	67	58	53	58	30
	25	57	60	60	67	73	77	81	80	79	72	65	61	67	24
	50	65	67	67	72	77	80	84	83	82	77	72	69	76	19
	75	70	73	71	76	80	83	87	86	84	80	76	74	81	17
	95	75	77	76	79	84	86	90	89	87	83	79	79	85	15
	99	80	82	80	83	89	90	93	93	91	87	83	83	89	13
	Max.	87	88	88	92	95	97	99	100	100	95	89	86	100	14
	Range (1 - 99)	38	39	32	26	23	18	18	19	21	26	32	38	40	
17															
	Min.	15	10	26	36	45	56	62	67	50	38	26	18	10	57
	01	44	46	50	58	66	73	75	75	72	60	50	47	50	31
	05	50	53	56	62	71	76	78	79	75	67	57	53	58	29
	25	58	62	62	67	74	78	80	81	78	71	64	60	67	23
	50	66	68	69	71	78	81	82	84	81	76	71	68	76	18
	75	71	73	73	75	81	84	85	87	84	79	74	72	81	16
	95	76	77	78	79	85	88	88	90	87	83	78	76	86	14
	99	79	81	82	84	90	92	92	94	91	88	82	79	90	15
	Max.	88	86	88	91	95	97	100	99	99	96	92	86	100	14
	Range (1 - 99)	35	35	32	26	24	19	17	19	19	28	32	32	40	
18															
	Min.	15	10	26	36	45	56	62	67	50	38	26	18	10	57
	01	41	43	47	56	65	73	75	75	70	59	48	45	46	36
	05	47	49	52	61	70	76	78	78	75	66	55	50	54	31
	25	55	57	57	66	73	78	80	81	78	72	63	57	64	26
	50	64	63	65	71	76	81	82	83	82	78	72	65	74	20
	75	70	69	69	75	79	84	85	86	85	82	76	70	79	17
	95	75	73	74	79	83	87	88	89	88	86	81	75	85	16
	99	78	76	78	83	87	91	92	93	92	90	85	78	89	17
	Max.	84	86	86	90	94	95	100	100	100	93	91	84	100	16
	Range (1 - 99)	37	33	31	27	22	18	17	18	22	31	37	33	43	

Table I-1.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
19															
	Min.	15	12	30	39	46	58	61	66	48	37	26	20	12	54
	01	40	40	48	57	66	74	76	74	71	59	50	43	46	36
	05	47	48	54	63	71	77	79	78	76	66	56	49	57	32
	25	56	56	61	68	74	79	81	81	79	71	64	58	67	25
	50	65	65	68	73	78	81	83	83	83	77	72	67	77	18
	75	69	70	72	77	81	84	85	86	87	80	76	72	82	18
	95	74	74	76	81	85	87	88	89	91	84	80	76	88	17
	99	77	77	79	85	88	90	92	93	93	89	84	79	92	16
	Max.	80	82	81	87	91	95	97	98	96	90	88	84	98	18
	Range (1 - 99)	37	37	31	28	22	16	16	19	22	30	34	36	46	
20															
	Min.	47	50	50	50	50	51	54	56	59	56	50	45	45	14
	01	51	51	51	53	53	55	56	59	60	58	55	53	53	9
	05	54	54	53	55	55	57	58	61	63	60	58	56	56	10
	25	57	57	55	57	57	59	61	64	66	62	61	58	60	11
	50	60	59	58	60	60	62	64	66	69	65	64	61	63	11
	75	63	63	61	64	63	65	68	70	73	69	68	65	68	12
	95	67	66	65	68	67	69	72	73	77	74	72	68	73	12
	99	71	71	70	73	72	73	76	77	82	78	78	73	78	12
	Max.	81	78	81	84	79	82	82	90	90	85	82	82	90	12
	Range (1 - 99)	20	20	19	20	19	18	20	18	22	20	23	20	25	
21															
	Min.	50	50	51	51	54	55	55	58	60	58	52	51	50	10
	01	51	50	51	52	54	55	56	58	60	58	54	51	53	10
	05	54	53	53	54	56	56	59	60	60	60	57	55	56	7
	25	56	57	56	57	58	58	62	62	62	62	59	57	59	6
	50	59	59	59	59	60	60	64	64	65	64	62	60	63	6
	75	61	63	64	63	63	63	68	67	68	67	65	63	67	7
	95	64	65	69	66	67	66	71	70	72	70	69	65	71	8
	99	67	68	71	71	72	70	75	76	74	75	74	69	75	9
	Max.	69	74	74	76	74	75	76	79	76	79	75	72	79	10
	Range (1 - 99)	16	18	20	19	18	15	19	18	14	17	20	18	22	

Table I-1.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
22	Min.	36	43	46	48	48	51	53	54	52	52	42	44	36	18
	01	46	48	49	50	51	53	54	57	57	56	51	50	50	11
	05	51	51	52	53	53	55	56	60	59	58	55	54	53	9
	25	54	54	54	56	55	57	59	63	61	60	58	57	56	9
	50	57	56	57	58	58	59	62	66	64	63	62	60	60	10
	75	60	60	60	62	61	62	66	70	67	67	65	64	64	10
	95	64	63	64	65	65	66	70	74	71	71	69	67	69	11
	99	69	68	68	70	69	71	74	78	77	76	75	71	74	10
	Max.	80	77	79	80	77	81	85	86	94	89	85	80	94	17
	Range (1 - 99)	23	20	19	20	18	18	20	21	20	20	24	21	24	
23	Min.	41	48	46	46	50	50	48	54	50	53	50	45	41	13
	01	48	49	48	49	50	52	54	55	55	55	53	49	50	7
	05	52	52	50	51	52	54	57	57	58	58	55	53	53	8
	25	55	55	52	54	54	56	59	59	60	60	57	55	56	8
	50	58	57	55	56	57	58	62	62	63	63	60	58	59	8
	75	61	61	58	60	60	61	65	65	66	66	63	61	62	8
	95	65	63	61	63	64	64	68	68	70	70	66	64	66	9
	99	69	67	65	67	68	68	72	73	75	75	69	68	70	10
	Max.	75	74	76	74	78	75	77	81	80	81	78	72	81	9
	Range (1 - 99)	21	18	17	18	18	16	18	18	20	20	16	19	20	
24	Min.	38	40	40	41	46	48	50	50	50	46	40	42	38	12
	01	41	42	44	46	48	51	52	53	53	51	47	45	46	12
	05	46	47	48	49	51	54	55	56	56	55	52	50	51	10
	25	50	51	51	52	54	57	59	59	59	58	55	53	55	9
	50	54	55	55	55	57	60	62	62	62	62	59	57	59	8
	75	58	60	60	60	62	65	67	67	66	67	64	62	64	9
	95	63	64	65	64	67	70	73	73	71	72	69	67	70	10
	99	71	70	72	69	72	74	77	78	78	81	76	73	76	12
	Max.	78	79	79	78	81	83	83	84	87	85	85	80	87	9
	Range (1 - 99)	30	28	28	23	24	23	25	25	25	30	29	28	30	

Table I-1.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
25															
	Min.	38	39	42	40	48	46	49	45	50	48	45	41	38	12
	01	40	43	44	46	48	49	50	50	51	50	48	44	45	11
	05	44	46	48	48	50	51	52	53	53	53	50	48	49	9
	25	48	49	51	51	52	53	56	55	56	56	53	51	52	8
	50	52	52	54	53	55	55	57	58	59	59	56	54	56	7
	75	55	56	57	56	58	58	61	61	62	63	59	58	60	8
	95	59	59	61	59	62	62	64	64	66	67	63	61	65	8
	99	64	64	66	62	66	66	69	69	72	72	67	65	69	11
	Max.	70	75	69	68	70	76	75	81	82	80	77	72	82	17
	Range (1 - 99)	24	21	22	16	18	17	19	19	21	22	19	21	24	
26															
	Min.	38	40	38	38	46	47	47	48	49	47	44	41	38	11
	01	39	41	41	42	46	48	49	49	50	49	47	42	44	11
	05	44	45	45	46	49	50	52	52	53	52	49	46	48	9
	25	48	49	48	49	52	52	56	56	56	55	52	50	51	8
	50	52	52	51	51	55	55	59	59	60	58	55	54	55	9
	75	55	58	56	55	59	60	64	64	64	61	59	58	60	9
	95	59	62	61	58	64	65	69	69	69	65	64	61	65	10
	99	61	64	72	62	68	69	73	75	72	69	69	66	71	14
	Max.	66	71	80	68	75	81	82	86	87	81	74	68	87	21
	Range (1 - 99)	22	23	31	20	22	21	24	26	22	20	22	24	27	
27															
	Min.	36	38	38	42	44	46	48	48	47	47	43	42	36	12
	01	37	39	40	42	46	47	48	49	48	48	44	42	42	12
	05	43	42	43	45	48	49	50	51	52	50	47	45	47	10
	25	46	46	46	48	50	52	53	55	55	52	50	49	51	9
	50	50	49	49	51	53	55	56	58	59	55	53	53	55	10
	75	53	52	52	55	56	59	60	62	62	58	56	56	60	10
	95	56	55	56	59	60	63	64	65	66	62	59	59	64	11
	99	59	60	62	63	64	68	67	71	70	68	61	62	69	12
	Max.	66	65	67	67	70	72	72	76	72	72	64	64	76	12
	Range (1 - 99)	22	21	22	21	18	21	19	22	22	20	17	20	27	

Table I-1.--Continued

Sub- region	Per- centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
28															
	Min.	33	38	39	40	43	47	50	50	49	48	41	41	33	17
	01	33	39	39	41	44	48	50	50	49	48	42	41	40	17
	05	39	43	42	44	46	50	51	52	52	51	46	44	44	13
	25	43	47	45	47	48	53	55	55	56	54	49	48	48	13
	50	48	49	48	49	51	56	58	59	60	57	53	52	52	12
	75	50	52	51	53	55	60	62	64	63	60	56	56	57	14
	95	53	54	54	57	59	63	65	66	66	64	59	59	61	13
	99	56	58	59	64	64	67	69	69	68	67	59	64	65	13
	Max.	61	62	64	66	68	70	74	76	70	69	61	64	76	15
	Range (1 - 99)	23	19	20	23	20	19	19	19	19	19	17	23	25	
29															
	Min.	29	35	35	40	43	48	52	51	51	50	39	34	29	23
	01	34	37	37	42	44	49	52	53	51	50	43	36	38	19
	05	38	41	41	44	47	52	53	55	53	51	47	42	43	17
	25	42	45	44	47	50	54	56	57	56	53	50	46	48	15
	50	46	49	48	49	53	57	59	60	59	55	54	50	53	14
	75	49	52	51	53	56	60	63	64	62	58	57	54	58	15
	95	52	56	55	56	60	64	66	67	66	61	60	57	63	15
	99	54	57	60	60	64	67	70	71	68	64	67	59	67	17
	Max.	61	61	60	62	68	72	70	73	70	70	69	61	73	13
	Range (1 - 99)	20	20	23	18	20	18	18	18	17	14	24	23	29	
30															
	Min.	24	30	30	38	39	48	47	51	46	45	38	32	24	27
	01	27	32	33	39	42	48	51	51	49	45	38	32	33	24
	05	31	37	38	43	45	50	54	54	53	49	41	38	40	23
	25	38	41	41	46	48	52	57	56	56	52	45	43	45	19
	50	45	45	45	48	51	54	59	59	59	55	50	48	51	14
	75	48	48	49	52	55	59	66	64	62	58	53	52	56	18
	95	52	51	53	56	60	63	74	68	66	61	56	55	62	23
	99	55	55	57	60	66	68	78	72	74	67	58	57	71	23
	Max.	58	59	62	63	74	75	85	85	80	70	61	58	85	27
	Range (1 - 99)	28	23	24	21	24	20	27	21	25	22	20	25	38	

Table I-1.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
31															
	Min.	17	30	30	31	39	44	45	46	43	35	30	26	17	29
	01	28	31	32	36	41	46	49	50	47	42	31	32	33	22
	05	33	36	36	41	44	48	52	53	50	46	39	36	39	20
	25	38	40	40	44	47	51	55	56	53	50	44	41	45	18
	50	44	45	44	48	50	53	57	59	57	54	49	46	51	15
	75	47	48	48	54	55	60	64	66	63	58	52	50	57	19
	95	50	52	52	58	61	66	72	72	69	62	56	53	64	22
	99	53	56	57	64	68	69	79	73	70	64	60	56	73	26
	Max.	61	61	66	70	76	83	84	84	85	76	62	58	85	27
	Range (1 - 99)	25	25	25	28	27	23	30	23	23	22	29	24	40	
32															
	Min.	30	40	50	56	62	70	71	72	68	60	55	44	30	42
	01	55	65	67	69	74	76	77	77	76	75	70	65		22
	05	67	68	71	73	76	78	80	80	78	76	73	69		17
	25	72	73	74	77	78	81	82	82	82	79	76	73		20
	50	75	76	77	78	80	82	83	84	83	81	79	76	80	9
	75	78	78	79	81	82	84	85	85	84	83	80	78		7
	95	81	81	81	83	85	87	87	88	87	85	82	81		7
	99	84	83	85	88	88	90	90	92	90	88	85	84		9
	Max.	87	85	87	90	90	91	94	95	92	91	89	86	95	10
	Range (1 - 99)	29	18	18	19	14	14	13	15	14	13	15	19		
33															
	Min.	20	25	40	46	58	65	70	71	62	53	48	40	20	51
	01	57	58	59	66	70	76	78	78	76	68	64	59		21
	05	63	63	65	70	73	78	80	80	80	73	69	65		17
	25	68	68	70	73	77	80	82	82	82	78	74	70		14
	50	72	72	73	76	79	82	83	84	83	81	76	73	78	12
	75	74	75	76	78	82	83	85	85	84	82	78	76		11
	95	78	79	81	82	85	87	88	89	87	86	82	80		11
	99	84	84	86	88	89	90	91	93	91	89	86	83		10
	Max.	87	85	92	92	94	90	95	97	93	91	91	88	97	12
	Range (1 - 99)	27	26	27	22	19	14	13	15	15	21	22	24		

Table I-1.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
34															
	Min.	18	17	32	43	49	67	68	69	53	40	30	23	17	52
	01	53	53	58	65	70	76	76	77	77	69	61	57		24
	05	59	59	62	68	73	78	80	80	79	72	66	62		21
	25	65	66	69	72	76	80	82	83	81	76	72	68		18
	50	70	70	72	75	78	82	84	85	83	80	75	71	77	15
	75	73	73	75	77	81	84	86	86	85	82	78	75		13
	95	77	78	79	81	84	88	89	90	88	85	81	78		13
	99	81	82	82	86	88	91	92	93	91	88	85	82		12
	Max.	86	84	85	90	94	94	96	97	93	90	87	84	97	13
	Range (1 - 99)	28	29	24	21	18	15	16	16	14	19	24	25		
35															
	Min.	18	17	32	43	49	67	68	69	53	40	30	23	17	52
	01	55	54	59	66	71	77	80	78	78	70	62	58		26
	05	64	63	66	71	74	79	81	80	79	74	70	66		18
	25	68	68	70	74	77	81	82	83	81	78	74	71		15
	50	72	71	72	76	79	82	84	85	83	80	76	73	78	14
	75	74	75	75	78	81	84	86	86	85	82	78	76		12
	95	76	78	79	82	85	86	88	89	87	85	81	78		13
	99	77	81	82	83	91	87	92	93	89	86	83	79		16
	Max.	83	83	83	87	92	91	92	95	90	92	84	82	95	13
	Range (1 - 99)	22	27	23	17	20	10	12	15	11	16	21	21		
36															
	Min.	19	18	32	41	55	60	67	68	55	45	35	30	18	50
	01	55	54	59	65	71	75	78	79	75	70	64	58		25
	05	57	56	63	67	73	76	80	80	77	73	66	61		24
	25	60	59	66	72	75	77	82	82	80	76	70	64		23
	50	66	65	71	75	78	79	84	85	83	80	75	70	76	20
	75	71	70	74	78	81	84	85	86	85	81	78	75		16
	95	76	76	78	82	85	86	88	88	87	85	81	78		12
	99	80	81	82	85	88	89	94	93	90	88	84	81		14
	Max.	81	82	82	87	91	93	95	96	93	91	86	83	96	15
	Range (1 - 99)	25	27	23	20	17	14	16	14	15	18	20	23		

Table I-1.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
37															
	Min.	40	48	55	58	63	69	71	72	68	62	55	50	40	32
	01	67	63	66	72	75	75	76	76	77	73	70	68		14
	05	69	66	69	74	77	79	79	80	79	76	73	70		14
	25	71	71	73	76	79	81	81	82	81	79	76	73		11
	50	74	74	76	78	80	82	82	83	83	81	78	76	79	9
	75	76	76	78	80	82	84	84	85	84	82	80	77		9
	95	78	78	80	83	85	86	88	87	86	85	82	79		9
	99	80	81	81	84	86	88	91	89	87	86	85	80		11
	Max.	81	82	82	85	88	90	92	90	88	87	86	81	92	11
	Range (1 - 99)	13	18	15	12	11	13	15	13	10	13	15	12		
38															
	Min.	40	48	55	58	63	69	71	72	68	62	55	50	40	32
	01	63	67	70	71	73	76	77	77	77	74	72	68		14
	05	68	69	72	73	76	78	79	79	79	77	74	71		11
	25	72	72	74	76	78	80	80	81	81	79	76	74		9
	50	73	75	77	78	80	81	82	82	83	81	78	76	79	10
	75	75	77	78	80	82	83	83	84	84	82	79	78		9
	95	79	79	81	83	85	86	86	87	86	86	82	80		8
	99	82	83	84	88	88	89	88	90	90	90	86	83		8
	Max.	83	85	85	89	90	90	90	90	91	90	87	84	91	8
	Range (1 - 99)	19	16	14	17	15	13	11	13	13	16	14	15		
39															
	Min.	9	7	16	21	32	37	48	50	45	36	27	16	7	43
	01	11	10	18	24	33	40	49	52	46	39	28	17		42
	05	18	17	24	29	36	43	52	56	51	44	34	23		39
	25	27	25	30	33	39	47	56	60	56	49	40	31		35
	50	33	30	33	36	42	50	59	62	59	53	45	37	45	32
	75	37	35	36	40	45	54	62	65	62	57	49	42		30
	95	43	41	40	44	50	58	66	68	66	61	54	48		28
	99	47	47	46	50	58	63	71	73	70	65	59	54		27
	Max.	52	50	48	52	59	64	73	75	73	66	61	54	75	27
	Range (1 - 99)	36	37	28	26	25	23	22	21	24	26	31	37		

Table I-1.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
40															
	Min.	19	19	24	28	32	38	45	47	46	40	33	24	19	28
	01	20	20	25	30	34	39	48	54	49	41	35	26		34
	05	30	28	31	36	41	48	55	60	57	50	43	34		32
	25	36	34	37	41	46	53	62	65	61	55	48	41		31
	50	42	41	42	48	54	59	67	70	66	60	53	46	54	29
	75	48	46	47	51	58	64	71	74	70	64	59	54		28
	95	56	55	54	59	63	69	76	77	74	70	64	61		23
	99	66	64	64	67	72	77	81	82	80	77	74	69		18
	Max.	70	70	67	70	77	82	86	86	84	79	76	71	86	19
	Range (1 - 99)	46	44	39	37	38	38	33	28	31	36	39	43		
41															
	Min.	17	12	19	28	32	41	46	51	48	39	27	18	12	39
	01	22	20	25	33	39	47	54	58	53	45	36	26		38
	05	28	26	30	36	41	50	58	60	57	49	41	32		34
	25	35	33	36	40	46	55	63	64	61	54	47	38		31
	50	41	38	40	44	51	59	67	69	65	59	52	44	52	31
	75	46	44	45	49	55	64	71	72	69	63	57	50		28
	95	54	51	52	56	62	70	76	77	74	69	63	57		26
	99	60	58	57	62	68	75	79	81	78	72	69	62		24
	Max.	66	63	68	66	73	82	85	87	83	76	74	67	87	24
	Range (1 - 99)	38	38	32	29	29	28	25	23	25	27	33	36		
42															
	Min.	35	29	34	39	48	54	61	64	59	51	44	38	29	35
	01	37	36	37	42	51	59	66	68	62	54	49	41		32
	05	41	39	41	46	55	63	70	71	66	58	53	44		32
	25	48	46	47	52	60	68	73	74	72	64	58	51		28
	50	53	52	53	57	65	72	76	77	75	70	63	56	64	25
	75	60	58	59	62	69	75	78	80	78	74	68	62		22
	95	66	65	66	68	73	79	82	84	81	78	73	68		19
	99	68	68	69	71	76	82	86	86	84	82	76	71		18
	Max.	71	71	72	75	80	87	91	91	88	85	79	74	91	20
	Range (1 - 99)	31	32	32	29	25	23	20	18	22	28	27	30		

Table I-1.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
43															
	Min.	32	30	31	37	45	55	65	64	60	49	40	34	30	35
	01	35	32	33	39	47	58	66	67	61	52	44	37		35
	05	39	36	37	43	51	62	68	70	64	56	48	40		34
	25	44	43	44	49	58	66	72	73	70	63	54	46		30
	50	50	48	49	54	61	69	74	75	72	66	60	52	61	27
	75	56	56	56	59	67	74	78	79	77	71	65	59		23
	95	63	64	64	66	73	78	82	83	81	75	71	66		20
	99	69	68	70	70	78	82	85	86	84	78	76	70		18
	Max.	71	70	71	72	79	84	87	87	86	78	77	72	87	17
	Range (1 - 99)	34	36	37	31	31	24	19	19	23	26	32	33		
44															
	Min	19	18	21	32	41	46	55	59	55	42	34	18	18	41
	01	25	23	29	36	44	53	64	64	58	47	40	30		41
	05	31	28	34	41	47	57	67	68	62	53	44	34		40
	25	39	37	41	46	53	63	72	72	68	59	51	42		35
	50	45	43	45	50	58	68	74	75	72	64	57	48	58	32
	75	50	49	51	56	63	72	77	78	75	68	62	55		29
	95	60	58	60	64	70	77	81	82	80	74	68	63		24
	99	65	64	66	70	74	81	85	86	83	78	72	67		22
	Max.	75	71	77	82	86	87	92	92	90	88	84	75	92	21
	Range (1 - 99)	40	41	37	34	30	28	21	22	25	31	32	37		
45															
	Min.	44	44	44	46	59	65	72	69	67	63	54	45	44	28
	01	46	45	45	47	59	65	72	69	68	63	56	47		27
	05	50	48	50	53	62	69	74	74	71	65	59	53		26
	25	56	54	55	58	65	72	77	77	75	69	64	58		23
	50	61	58	59	63	68	74	79	80	77	72	68	62	69	22
	75	64	64	63	67	71	76	80	81	79	76	71	66		17
	95	68	67	67	70	75	80	83	84	82	79	74	70		17
	99	70	69	70	72	77	82	85	88	85	82	76	72		19
	Max.	71	70	70	73	77	82	85	88	86	83	77	72	88	18
	Range (1 - 99)	24	24	25	25	18	17	13	19	17	19	20	25		

Table I-1.--Continued

Sub-region	Percentile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
46															
	Min.	40	37	41	44	55	60	70	68	63	55	50	41	37	33
	01	42	41	44	47	58	63	71	71	67	59	53	44		30
	05	47	45	48	51	61	67	74	74	70	62	56	48		29
	25	53	51	53	58	66	72	77	77	74	68	61	54		26
	50	61	59	60	63	69	74	79	80	77	72	68	62	69	21
	75	64	63	64	68	73	78	80	82	79	75	70	65		19
	95	69	69	69	73	76	82	84	84	83	78	75	71		15
	99	70	70	71	77	81	86	87	86	85	81	77	73		17
	Max.	72	72	73	80	85	91	89	89	86	84	78	75	91	19
	Range (1 - 99)	28	29	27	30	23	23	16	15	18	22	24	29		
47															
	Min.	33	32	33	42	46	55	68	66	60	50	44	32	32	36
	01	36	34	38	44	52	62	70	70	64	55	46	37		36
	05	45	43	47	51	60	68	73	74	70	62	54	46		31
	25	52	51	52	58	66	72	76	77	74	68	61	54		26
	50	55	54	54	62	69	74	79	79	76	70	64	57	66	25
	75	64	62	64	68	73	78	81	82	79	75	70	64		20
	95	69	69	69	73	77	82	84	85	83	79	74	70		16
	99	72	72	72	77	80	86	87	87	86	83	77	73		15
	Max.	74	75	76	80	84	89	91	90	91	86	81	75	91	17
	Range (1 - 99)	36	38	34	33	28	24	17	17	22	28	31	36		
48															
	Min.	41	38	41	46	57	64	68	70	67	54	50	43	38	32
	01	48	46	49	54	61	68	73	74	71	62	56	50		28
	05	54	52	55	59	65	71	76	76	74	68	62	56		24
	25	60	58	59	64	69	74	78	79	77	72	67	62		21
	50	64	63	63	66	71	76	80	81	79	75	70	65	71	18
	75	67	66	67	69	74	78	82	83	81	77	73	69		17
	95	71	70	71	73	78	82	85	86	84	81	76	72		16
	99	74	74	75	78	81	86	88	90	88	84	80	76		16
	Max.	80	78	80	81	88	90	94	94	93	89	85	82	94	16
	Range (1 - 99)	26	28	26	24	20	18	15	16	17	22	24	26		

Table I-1.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
49	Min.	41	43	46	53	61	69	70	72	68	58	49	46	41	31
	01	48	46	50	58	67	70	74	75	72	64	56	51		29
	05	55	55	57	63	69	73	77	77	76	69	62	57		22
	25	62	62	64	68	73	76	80	80	78	74	69	64		18
	50	67	67	68	71	75	78	81	82	80	76	72	69	74	15
	75	70	70	71	73	77	81	83	84	82	79	74	71		14
	95	73	73	74	76	81	84	86	87	86	82	77	75		14
	99	75	76	77	78	83	86	88	89	89	85	80	77		14
	Max.	77	78	82	83	86	90	94	93	93	89	84	80	94	17
	Range (1 - 99)	27	30	27	20	16	16	14	14	17	21	24	26		
50	Min.	60	60	58	60	64	66	69	69	68	66	65	60	58	11
	01	62	60	61	64	68	72	75	75	74	72	68	65		15
	05	65	64	64	66	70	74	77	78	77	74	70	67		14
	25	68	67	68	70	73	77	80	81	80	77	73	70		14
	50	71	70	71	72	75	79	82	82	81	79	75	72	76	12
	75	73	73	73	74	77	81	83	84	83	81	77	74		11
	95	76	76	77	78	80	84	86	87	86	84	80	77		11
	99	80	82	82	83	84	88	89	90	90	87	85	82		10
	Max.	84	84	89	91	90	94	95	96	97	96	93	85	97	13
	Range (1 - 99)	18	22	21	19	16	16	14	15	16	15	17	17		
51	Min.	51	46	51	57	64	68	71	72	68	62	55	52	46	26
	01	54	52	55	62	68	72	74	75	74	67	60	56		23
	05	60	61	62	66	71	75	78	78	77	72	66	62		18
	25	66	66	67	70	74	77	80	81	80	76	72	67		15
	50	70	70	71	73	76	80	82	83	82	79	75	71	76	13
	75	72	72	73	75	78	82	84	84	84	81	77	74		12
	95	76	76	76	79	82	84	87	88	87	84	80	77		12
	99	78	78	80	81	85	88	90	90	90	86	82	80		12
	Max.	83	82	85	84	89	92	94	94	94	90	88	84	94	12
	Range (1 - 99)	24	26	25	19	17	16	16	15	16	19	22	24		

Table I-1.--Continued

Sub-region	Percentile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
		Month													
52															
	Min.	63	63	66	67	70	72	72	75	74	72	69	67	63	12
	01	66	65	68	70	72	75	77	78	77	75	72	69		13
	05	69	68	70	72	74	77	79	80	79	77	74	71		12
	25	73	72	73	75	77	80	81	82	81	80	77	74		10
	50	75	75	76	77	79	81	82	83	83	81	79	76	79	8
	75	77	76	78	79	81	83	84	85	85	83	81	78		9
	95	80	80	81	82	83	86	86	88	87	86	84	81		8
	99	82	84	84	85	86	90	89	90	90	90	87	84		8
	Max.	87	88	89	88	89	93	93	96	94	95	92	88	96	9
	Range (1 - 99)	16	19	16	15	14	15	12	12	13	15	15	15		
53															
	Min.	30	34	34	39	40	46	51	52	54	43	40	37	30	24
	01	31	36	35	40	41	47	52	53	55	44	41	38		24
	05	36	39	38	42	44	49	53	56	55	48	44	40		20
	25	42	43	42	44	46	51	55	58	57	52	47	45		16
	50	45	45	45	46	49	53	57	60	59	55	50	47	51	15
	75	47	47	47	48	51	55	59	62	61	57	52	49		15
	95	50	50	50	51	55	59	64	65	64	61	55	52		15
	99	52	53	54	54	60	62	67	67	66	62	56	53		15
	Max.	53	54	55	55	61	63	69	68	67	63	57	54	69	16
	Range (1 - 99)	21	17	19	14	19	15	15	14	11	18	15	15		
54															
	Min.	29	32	34	35	40	44	47	52	46	43	38	32	29	23
	01	31	36	36	38	41	46	50	54	50	46	40	35		23
	05	36	38	38	40	43	48	52	55	54	48	43	40		19
	25	41	42	41	43	46	50	54	57	56	52	47	45		16
	50	44	45	44	45	48	52	56	59	58	54	50	47	50	15
	75	46	46	46	47	50	54	58	61	60	57	52	49		15
	95	50	49	48	50	54	59	63	65	64	60	55	52		15
	99	51	53	52	55	59	64	68	68	67	63	58	54		17
	Max.	57	56	54	61	64	68	72	73	70	66	61	59	73	19
	Range (1 - 99)	20	17	16	17	18	18	18	14	17	17	18	19		

Table I-1.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
55	Min.	37	34	36	40	43	45	53	52	54	45	43	39	34	20
	01	38	35	37	41	44	46	54	54	55	46	44	40		20
	05	40	40	40	43	46	50	55	57	57	52	47	43		17
	25	45	44	44	46	49	53	57	60	59	55	51	47		16
	50	47	47	46	48	51	55	59	62	61	57	53	49	53	16
	75	49	49	48	50	54	59	61	64	63	59	55	51		16
	95	53	51	51	54	58	63	65	67	65	62	58	54		16
	99	55	53	55	56	62	67	67	69	68	65	59	54		16
	Max.	56	54	56	57	63	68	68	70	69	66	61	55	70	16
	Range (1 - 99)	17	18	18	15	18	21	13	15	13	19	15	14		
56	Min.	38	39	39	41	44	48	53	56	56	49	43	38	38	18
	01	39	39	40	42	46	50	54	56	57	50	45	40		18
	05	41	41	41	44	47	51	55	57	58	53	48	43		17
	25	46	45	45	47	50	54	57	60	61	56	52	48		16
	50	47	47	45	47	50	55	59	62	61	57	53	49	53	17
	75	50	50	48	50	54	60	62	65	64	60	57	52		17
	95	53	53	50	55	58	63	67	68	67	62	60	55		18
	99	57	56	52	59	61	67	70	70	69	64	62	58		18
	Max.	57	56	52	60	62	67	70	70	70	65	62	58	70	18
	Range (1 - 99)	18	17	12	17	15	17	16	14	12	14	17	18		
57	Min.	35	38	38	41	46	50	55	57	57	49	47	42	35	22
	01	36	39	40	44	46	50	55	58	57	50	47	44		22
	05	42	43	43	45	48	52	56	60	59	53	49	46		18
	25	48	47	46	48	50	54	59	62	61	57	53	51		16
	50	51	50	49	50	53	57	60	63	62	60	56	53	55	14
	75	53	52	51	52	54	58	62	65	65	62	58	55		14
	95	56	55	53	56	57	62	64	69	68	64	61	57		16
	99	59	60	56	59	59	66	67	72	71	68	65	60		16
	Max.	61	61	61	60	62	67	68	74	72	68	65	60	74	14
	Range (1 - 99)	23	21	16	15	13	16	12	14	14	18	18	16		

Table I-1.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
58															
	Min.	41	44	43	42	43	50	52	57	56	51	46	45	41	16
	01	41	44	43	43	44	50	52	58	57	52	46	45		17
	05	43	45	45	45	47	52	55	60	59	54	49	47		17
	25	49	48	47	48	50	54	58	62	61	59	54	51		15
	50	52	51	49	51	53	57	60	64	63	62	57	54	56	15
	75	54	53	51	53	55	59	62	66	66	64	60	56		15
	95	56	55	54	57	58	62	66	70	69	66	63	59		16
	99	57	57	60	61	62	66	72	77	73	68	66	61		20
	Max.	57	57	60	61	62	66	72	77	75	69	66	61	77	20
	Range (1 - 99)	16	13	17	18	18	16	20	19	16	16	20	16		
59															
	Min.	41	45	45	45	48	51	55	57	54	54	50	48	41	16
	01	41	45	45	45	48	51	55	58	54	54	50	48		17
	05	44	46	47	47	49	53	57	59	58	57	51	49		15
	25	50	49	49	50	52	56	59	61	61	59	56	52		12
	50	54	53	52	53	54	58	61	62	62	61	58	55	57	10
	75	55	52	53	55	56	60	63	64	64	63	60	56		12
	95	57	55	56	60	60	64	66	67	68	66	63	59		13
	99	58	55	57	63	67	66	68	72	70	67	64	61		17
	Max.	58	55	57	63	67	66	68	72	70	67	64	61	72	17
	Range (1 - 99)	17	10	12	18	19	15	13	14	16	13	14	13		
60															
	Min.	48	47	45	48	48	52	56	58	59	57	48	48	45	14
	01	48	47	45	48	48	52	57	59	60	57	49	48		15
	05	49	48	48	49	50	54	57	61	62	59	54	52		14
	25	52	51	50	51	54	57	60	64	64	62	58	56		14
	50	54	53	53	54	55	60	62	65	65	63	60	57	58	12
	75	57	56	55	55	57	61	64	68	68	66	63	61		13
	95	59	60	58	61	62	64	68	72	72	69	65	64		14
	99	62	63	61	66	66	68	70	75	74	72	67	67		14
	Max.	62	63	61	66	66	68	72	75	75	73	68	67	75	14
	Range (1 - 99)	14	16	16	18	18	16	13	16	14	15	18	19		

Table I-1.--Concluded

Sub-region	Percentile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
61															
	Min.	45	43	44	46	50	52	53	52	54	53	49	48	43	11
	01	46	46	46	48	50	53	55	55	57	55	52	49		11
	05	49	49	49	50	52	55	57	59	60	58	54	52		11
	25	53	52	52	53	54	58	60	61	62	61	58	55		10
	50	56	54	54	55	56	60	62	64	64	63	60	58	59	10
	75	58	56	56	58	60	63	64	66	67	65	62	60		11
	95	61	61	61	63	63	66	68	69	70	68	66	62		9
	99	66	64	65	66	69	77	71	72	73	70	69	65		13
	Max.	68	66	68	71	74	76	74	73	74	73	71	68	74	10
	Range (1 - 99)	20	18	19	18	19	24	16	17	16	15	17	16		
62															
	Min.	46	48	48	49	52	54	57	59	60	56	55	50	46	14
	01	50	50	50	52	53	55	58	60	60	59	56	53		10
	05	53	52	52	54	55	57	60	62	62	61	58	55		10
	25	56	55	55	56	57	59	62	63	64	63	60	58		9
	50	58	57	57	58	59	61	63	65	66	64	62	60	61	9
	75	60	60	59	61	62	64	66	67	69	67	65	62		10
	95	63	64	63	64	65	67	69	71	72	69	68	65		9
	99	66	68	67	68	70	75	73	73	76	72	71	68		10
	Max.	71	71	70	70	72	79	75	77	77	76	75	70	77	7
	Range (1 - 99)	16	18	17	16	17	20	15	13	16	13	15	15		

c. Sea surface temperatures

Table I-2.--Percentiles of all sea surface temperatures (°F) in TDF-11 by months by subregion

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
01															
	Min.	27	27	<27	<27	29	31	37	44	38	36	32	28	<27	>27
	01	28	27	27	27	30	34	42	48	43	41	35	31	28	21
	05	29	28	28	29	31	36	44	51	49	43	38	33	30	23
	25	31	30	29	31	34	39	49	55	53	47	41	36	35	26
	50	34	33	32	33	36	43	52	58	56	50	44	39	44	26
	75	36	34	33	35	38	45	55	60	58	52	46	42	51	27
	95	40	36	36	38	42	51	60	63	62	56	50	45	59	27
	99	45	40	41	43	45	53	62	68	64	59	54	49	63	28
	Max.	50	50	44	46	50	58	66	72	72	64	60	56	72	28
	Range (1 - 99)	17	13	14	16	15	19	20	20	21	18	19	18	35	
02															
	Min.	59	56	55	57	62	65	67	70	68	68	62	62	55	15
	01	61	57	60	62	65	69	73	77	74	72	66	63	62	20
	05	63	62	63	64	66	71	76	78	77	74	69	66	65	16
	25	67	65	65	65	69	74	77	81	79	76	73	70	68	16
	50	69	67	67	68	71	76	80	82	81	78	74	72	74	15
	75	71	69	68	70	73	78	82	84	82	79	75	73	78	16
	95	73	71	71	73	75	81	85	85	84	82	78	75	83	14
	99	76	74	74	75	78	84	86	88	86	83	81	78	85	14
	Max.	82	84	80	80	84	90	92	94	90	88	86	82	94	14
	Range (1 - 99)	15	17	14	13	13	15	13	11	12	11	15	15	23	
03															
	Min.	67	70	65	67	72	71	71	72	78	74	74	74	65	13
	01	73	74	70	75	76	78	79	80	79	79	78	76	74	10
	05	75	76	76	77	78	79	80	81	81	81	80	78	77	6
	25	77	79	79	79	80	81	83	83	83	83	82	81	80	6
	50	80	80	80	81	82	82	84	85	85	85	83	82	82	5
	75	83	81	81	82	83	84	85	86	86	86	84	83	84	5
	95	86	84	84	84	85	86	89	87	87	87	85	84	86	5
	99	90	88	86	86	86	89	90	90	89	89	87	88	88	4
	Max.	92	92	90	94	90	90	94	92	94	94	92	94	94	4
	Range (1 - 99)	17	14	16	11	10	11	11	10	10	10	9	12	14	

Table I-2.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
04															
	Min.	27	27	27	31	32	37	39	44	42	34	36	32	27	17
	01	30	29	31	32	35	39	43	45	46	44	41	35	32	17
	05	34	32	33	34	37	41	45	47	47	45	43	39	35	15
	25	37	35	35	37	40	44	49	50	52	49	45	42	40	15
	50	40	38	38	40	44	50	57	59	57	53	49	44	48	21
	75	43	40	39	42	46	54	63	65	61	55	50	46	53	26
	95	47	45	44	47	52	63	69	69	66	60	54	49	64	25
	99	50	50	48	52	57	66	71	74	70	65	58	54	69	26
	Max.	56	54	52	56	62	76	76	84	76	76	64	60	84	32
	Range (1 - 99)	20	21	17	20	22	27	28	29	24	21	17	19	37	
05															
	Min.	29	27	29	29	36	39	43	50	50	46	38	32	27	23
	01	32	31	33	36	39	45	50	55	53	49	44	36	34	24
	05	37	35	35	37	41	48	54	60	57	53	47	40	38	25
	25	41	39	38	41	45	53	62	65	61	56	51	46	44	27
	50	45	42	41	44	49	58	66	69	65	60	54	49	54	28
	75	47	44	44	45	51	61	69	71	68	62	56	52	62	27
	95	52	49	48	51	57	68	74	76	73	68	62	57	71	28
	99	60	56	58	59	63	73	77	81	77	72	68	64	75	25
	Max.	68	68	68	74	70	78	90	94	84	80	76	72	94	26
	Range (1 - 99)	28	25	25	23	24	28	27	26	24	23	24	28	41	
06															
	Min.	30	27	27	35	40	45	51	56	52	46	42	30	27	29
	01	31	29	31	37	41	49	59	62	58	51	44	36	34	33
	05	35	33	35	39	44	54	62	65	61	54	48	40	38	32
	25	39	37	39	40	48	58	67	69	65	58	51	45	44	32
	50	43	40	41	44	52	62	70	71	68	61	54	48	55	31
	75	45	43	45	47	55	65	72	73	69	63	56	52	65	30
	95	50	46	47	51	60	70	78	76	73	67	59	55	72	32
	99	56	56	55	57	68	74	78	80	79	72	64	59	76	25
	Max.	60	60	60	62	76	84	84	82	84	78	70	70	84	24
	Range (1 - 99)	25	27	24	20	27	25	19	18	21	21	20	23	42	

Table 1-2.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
07															
	Min.	30	28	27	33	40	41	59	60	56	50	42	34	27	33
	01	33	33	35	39	42	53	64	66	59	53	48	40	36	33
	05	37	37	37	40	45	56	66	69	63	57	51	44	40	32
	25	43	41	41	43	50	61	71	73	68	61	55	49	48	30
	50	49	46	45	48	55	65	73	75	72	65	59	53	59	30
	75	53	50	47	52	58	67	76	77	74	67	60	56	69	30
	95	59	56	56	58	65	74	81	80	78	72	66	61	76	25
	99	67	65	64	70	72	78	84	84	81	76	71	68	80	20
	Max.	80	78	76	80	84	88	90	88	90	84	82	80	90	14
	Range (1 - 99)	34	32	29	31	30	25	20	18	22	23	23	28	44	
08															
	Min.	32	32	31	27	40	45	53	62	56	50	44	36	27	35
	01	35	35	33	40	45	53	66	68	63	57	49	41	38	35
	05	39	37	39	43	48	58	69	71	67	60	53	45	43	34
	25	46	43	44	47	54	64	73	75	71	64	57	52	52	32
	50	53	51	50	53	60	70	76	78	75	68	62	57	63	28
	75	56	55	53	58	64	73	80	80	77	70	64	62	74	27
	95	72	71	71	72	76	81	84	83	81	78	76	73	80	13
	99	76	75	74	78	79	83	86	86	84	82	79	78	84	12
	Max.	84	84	84	88	94	94	90	92	96	90	88	84	96	12
	Range (1 - 99)	41	40	41	38	34	30	20	18	21	25	30	37	46	
09															
	Min.	35	33	35	37	46	49	63	68	62	58	52	44	33	35
	01	43	40	41	45	52	61	71	73	68	62	56	50	45	33
	05	48	46	45	49	58	67	74	75	73	66	60	53	54	30
	25	65	63	61	63	70	75	79	80	78	74	70	69	70	19
	50	68	67	66	68	73	78	81	82	81	77	74	71	74	16
	75	73	73	72	75	77	81	83	84	83	80	77	75	80	12
	95	75	76	77	79	81	84	86	85	85	83	80	78	84	11
	99	80	79	78	78	82	85	87	88	87	85	82	80	86	10
	Max.	86	84	88	86	92	92	94	92	92	92	88	86	94	10
	Range (1 - 99)	37	39	37	33	30	24	16	15	19	23	26	30	41	

Table I-2.--Continued

Sub-region	Per-centile	Month J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
10															
	Min.	46	46	41	45	62	63	67	72	68	64	56	50	41	31
	01	55	54	54	60	66	72	77	77	75	70	64	58	60	23
	05	64	63	61	65	71	75	78	79	78	74	71	68	68	18
	25	68	69	69	71	75	78	79	82	81	78	75	73	74	14
	50	73	72	72	74	77	80	83	84	82	80	77	75	77	12
	75	75	75	75	77	79	81	84	85	83	81	79	77	82	10
	95	77	77	78	80	81	84	87	86	85	83	81	79	85	10
	99	81	80	79	82	83	85	88	88	87	85	84	82	86	9
	Max.	86	86	88	88	90	90	92	94	92	90	90	90	94	8
	Range (1 - 99)	26	26	25	22	17	13	11	11	12	15	20	24	26	
	Min.	51	51	47	57	65	67	69	71	71	67	57	60	47	24
	01	64	64	63	68	71	75	79	80	78	74	71	70	68	17
	05	70	69	69	71	75	78	80	81	80	77	74	72	72	12
	25	73	74	73	76	77	80	83	84	82	80	78	76	76	11
	50	76	75	76	77	79	82	84	85	84	82	80	77	80	10
	75	77	78	77	79	81	83	85	86	85	83	81	79	82	9
	95	79	79	80	82	82	85	87	87	86	85	83	81	85	8
	99	83	82	81	82	84	86	88	89	88	86	84	82	87	8
	Max.	88	86	88	88	90	94	94	94	96	92	90	88	96	10
	Range (1 - 99)	19	18	18	14	13	11	9	9	10	12	13	12	19	
12															
	Min.	55	53	53	61	65	67	65	71	73	65	63	59	53	20
	01	67	65	65	69	72	75	79	79	79	75	72	70	68	14
	05	71	69	70	72	75	77	80	81	81	78	75	72	72	12
	25	73	72	73	75	77	80	82	83	83	81	77	75	76	11
	50	76	75	76	77	80	82	84	85	84	82	80	77	80	10
	75	77	78	77	79	81	83	85	86	85	83	81	79	83	9
	95	79	79	80	81	83	86	87	87	87	85	83	81	85	8
	99	83	82	81	82	85	87	88	90	88	87	85	83	88	9
	Max.	88	90	88	90	92	96	96	92	96	92	92	90	96	8
	Range (1 - 99)	16	17	16	13	13	12	9	11	9	12	13	13	20	

Table I-2.--Continued

Sub-region	Percentile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D		
13															
	Min.	62	57	59	63	65	67	69	69	73	69	67	63	57	16
	01	67	63	67	69	73	76	79	81	79	75	73	71	69	18
	05	71	69	71	70	76	78	81	83	81	79	75	73	73	14
	25	73	73	73	76	79	81	83	85	83	81	78	76	77	12
	50	76	75	76	78	80	82	85	86	84	83	80	78	80	11
	75	77	78	77	80	81	83	86	87	85	84	81	79	83	10
	95	79	79	81	81	83	86	89	88	87	85	83	81	86	10
	99	83	82	82	84	85	87	90	90	89	87	85	84	88	8
	Max.	88	88	90	90	92	92	94	96	94	92	92	90	96	8
	Range (1 - 99)	16	19	15	15	12	11	11	9	10	12	12	13	19	
14															
	Min.	60	60	59	63	71	73	77	80	78	74	70	60	59	21
	01	62	61	62	67	72	77	80	81	79	75	71	62	64	20
	05	66	65	67	69	75	78	81	82	81	78	74	69	69	17
	25	69	69	71	74	77	81	83	84	83	81	77	73	75	15
	50	73	72	74	76	79	82	85	86	84	82	79	75	79	14
	75	75	76	76	78	79	83	86	87	85	83	80	77	83	12
	95	77	77	78	81	81	85	88	88	87	85	82	79	86	11
	99	81	80	81	82	84	87	90	90	89	87	84	82	88	10
	Max.	82	82	84	86	88	90	94	92	92	90	86	84	94	12
	Range (1 - 99)	19	19	19	15	12	10	10	9	10	12	13	20	24	
15															
	Min.	56	55	57	63	69	71	77	81	74	72	64	62	55	26
	01	57	56	59	64	70	75	80	81	77	73	67	64	61	25
	05	61	61	63	67	73	77	81	82	79	76	69	67	66	21
	25	66	67	67	71	75	80	83	84	83	79	74	71	73	18
	50	71	70	71	74	78	82	85	85	84	81	77	73	78	15
	75	73	74	73	76	80	83	86	86	85	83	78	76	83	13
	95	77	76	78	80	82	86	90	88	87	85	81	78	86	14
	99	81	81	81	82	84	88	92	90	90	86	82	82	88	11
	Max.	82	84	82	86	86	88	94	92	92	88	84	84	94	12
	Range (1 - 99)	24	25	22	18	14	13	12	9	13	13	15	18	27	

Table I-2.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
16	Min.	45	45	47	53	62	67	67	72	70	68	58	52	45	27
	01	55	55	57	64	69	75	79	80	78	72	64	62	60	25
	05	61	61	62	66	73	78	81	82	80	76	71	66	67	21
	25	67	67	68	71	75	81	83	84	82	79	74	71	73	17
	50	72	71	71	74	78	82	85	85	84	81	77	74	78	14
	75	75	74	74	76	79	84	86	86	85	83	79	76	83	12
	95	79	77	78	80	82	87	90	88	87	85	81	79	86	13
	99	82	80	80	82	84	88	90	90	88	86	83	83	88	10
	Max.	86	86	88	86	90	94	94	94	94	90	90	86	94	8
	Range (1 - 99)	27	25	23	18	15	13	11	10	10	14	19	21	28	
17	Min	50	39	45	55	66	67	73	76	72	70	62	52	39	37
	01	58	57	59	65	70	76	81	80	78	73	66	62	62	24
	05	62	63	63	67	73	78	82	83	80	76	70	66	67	21
	25	66	67	67	70	75	81	84	84	83	79	74	72	72	18
	50	71	70	71	73	78	82	85	86	84	81	77	73	78	16
	75	73	74	73	75	79	83	86	87	85	82	79	76	83	14
	95	77	76	78	79	81	85	89	88	87	85	81	78	86	13
	99	81	80	79	81	83	87	90	92	88	86	83	80	88	13
	Max.	84	84	86	88	92	92	94	94	94	90	88	86	94	10
	Range (1 - 99)	23	23	20	16	13	11	9	12	10	13	17	18	26	
18	Min.	48	47	49	53	66	69	73	76	74	66	56	50	47	29
	01	52	52	55	62	69	76	80	80	77	70	61	56	56	28
	05	56	56	60	64	72	78	81	82	80	74	66	60	61	26
	25	61	62	63	68	74	81	84	84	83	77	71	66	69	23
	50	66	66	67	71	77	82	85	86	84	80	74	70	76	20
	75	70	68	69	73	79	83	86	87	85	82	77	73	83	19
	95	73	73	73	77	81	87	89	88	87	84	79	76	86	16
	99	78	78	76	80	83	88	90	92	89	85	82	78	88	16
	Max.	84	86	80	86	92	92	92	94	94	90	86	86	94	14
	Range (1 - 99)	26	26	21	18	14	12	10	12	12	15	21	22	32	

Table I-2.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
19															
	Min.	49	52	53	59	68	71	75	78	76	70	62	56	49	29
	01	51	54	57	63	70	75	79	79	78	73	66	59	57	28
	05	56	58	61	65	73	78	80	81	80	76	69	63	64	25
	25	62	65	65	69	75	81	83	84	83	79	74	70	71	21
	50	68	68	68	72	77	82	84	85	84	81	76	72	77	17
	75	71	71	71	74	79	83	85	86	85	83	78	75	83	15
	95	76	74	74	78	81	86	88	87	87	85	81	77	85	14
	99	79	78	76	80	83	87	89	90	88	86	83	78	87	14
	Max.	82	82	78	82	86	90	92	92	90	88	84	84	92	14
	Range (1 - 99)	28	24	19	17	13	12	10	11	10	13	17	19	30	
20															
	Min	50	48	43	47	50	49	53	56	58	54	52	50	43	15
	01	54	53	53	54	53	55	58	61	61	59	58	55	55	8
	05	57	56	56	57	57	58	60	63	63	62	60	58	57	7
	25	59	60	59	59	59	61	63	66	67	65	63	61	60	8
	50	61	61	60	61	62	63	66	68	69	68	66	63	64	9
	75	63	62	61	63	63	63	67	71	70	69	67	66	66	10
	95	65	66	64	65	65	67	71	72	73	73	70	68	71	9
	99	70	69	66	68	67	69	74	76	76	76	73	72	74	10
	Max.	76	74	76	76	72	80	82	86	84	84	82	80	86	14
	Range (1 - 99)	16	16	13	14	14	14	16	15	15	17	15	17	19	
21															
	Min.	52	52	51	53	54	55	55	58	61	60	57	58	51	10
	01	54	54	54	55	55	56	57	59	62	61	58	58	56	8
	05	57	56	57	57	59	58	60	62	63	63	60	59	58	7
	25	59	59	59	59	60	61	61	65	65	65	63	61	60	6
	50	62	61	61	61	62	62	64	66	67	67	65	63	63	6
	75	63	63	62	62	63	63	66	67	68	68	67	65	65	6
	95	65	65	65	65	64	67	69	69	71	71	69	67	68	7
	99	68	66	66	70	67	68	70	72	73	73	72	69	71	7
	Max.	70	70	68	70	72	70	74	74	76	78	78	70	78	10
	Range (1 - 99)	14	12	12	15	12	12	13	13	11	12	14	11	15	

Table I-2.--Continued

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
		Month													
22															
	Min.	48	46	45	43	48	49	47	54	54	54	50	50	43	11
	01	51	51	51	51	53	52	54	59	58	58	55	55	53	8
	05	54	54	54	55	56	56	58	61	62	60	58	57	55	8
	25	56	57	58	58	59	60	63	65	65	63	61	59	59	7
	50	59	59	59	60	61	62	65	67	67	66	63	61	63	8
	75	60	60	60	61	63	64	67	70	69	67	65	63	65	10
	95	63	63	63	65	65	68	71	72	71	71	68	65	69	9
	99	67	66	64	68	68	70	74	76	74	74	70	68	72	12
	Max.	74	70	76	76	82	84	84	86	86	86	80	74	86	16
	Range (1 - 99)	16	15	13	17	15	18	20	17	16	16	15	13	19	
23															
	Min.	46	48	47	45	50	47	51	52	54	56	52	50	45	11
	01	51	51	51	51	51	52	55	56	55	58	54	54	52	7
	05	53	53	53	53	54	54	57	59	59	59	57	55	54	6
	25	56	56	55	57	57	58	59	62	63	62	60	59	58	8
	50	59	58	58	58	59	61	62	64	65	64	62	61	61	7
	75	60	60	59	60	61	62	64	65	67	66	63	62	63	8
	95	63	62	62	63	63	68	68	67	69	69	67	64	67	7
	99	66	64	64	64	65	69	70	70	72	71	69	68	69	8
	Max.	70	72	72	70	70	74	78	82	80	80	74	74	82	12
	Range (1 - 99)	15	13	13	13	14	17	15	14	17	13	15	14	17	
24															
	Min.	46	46	45	45	46	45	49	50	52	52	46	46	45	7
	01	48	49	49	49	48	49	52	53	54	54	51	51	50	6
	05	51	51	51	51	51	52	53	55	56	56	54	53	52	5
	25	54	53	53	54	54	56	58	59	60	59	57	56	55	7
	50	57	56	56	56	56	59	61	62	63	62	60	59	59	7
	75	58	58	57	58	58	61	63	65	65	63	61	61	62	8
	95	61	61	61	62	62	67	68	68	68	67	65	63	66	7
	99	65	63	62	66	65	68	71	73	72	69	67	66	69	11
	Max.	68	66	70	68	70	74	76	78	78	74	74	70	78	12
	Range (1 - 99)	17	14	13	17	17	19	19	20	18	15	16	15	19	

Table I-2.--Continued

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
25															
	Min.	44	42	37	39	46	43	47	50	50	50	48	46	37	13
	01	47	47	46	47	48	47	50	52	52	52	50	49	48	6
	05	49	49	50	49	50	51	52	53	55	54	53	51	51	6
	25	52	53	52	52	53	54	56	58	58	57	55	55	54	6
	50	55	54	54	54	55	57	58	60	61	60	58	57	57	7
	75	56	55	55	56	56	58	61	63	63	62	60	58	59	8
	95	59	59	59	59	60	64	65	65	66	65	63	61	63	7
	99	64	62	62	62	62	66	67	70	69	68	66	64	67	8
	Max.	68	66	70	72	68	70	72	78	78	74	74	68	78	12
	Range (1 - 99)	17	15	16	15	14	19	17	18	17	16	16	15	19	
26															
	Min.	45	44	41	43	45	43	43	48	48	49	48	46	41	8
	01	45	47	46	46	46	46	48	49	50	50	49	48	46	5
	05	47	47	49	48	48	49	50	51	52	51	51	50	49	5
	25	50	51	51	51	51	52	54	55	55	56	54	53	52	6
	50	53	53	53	53	54	56	58	59	60	59	58	56	56	7
	75	55	54	54	55	56	57	61	63	63	61	59	58	59	9
	95	57	57	58	57	60	65	65	66	68	65	63	60	63	11
	99	62	60	61	60	64	66	67	69	70	67	66	64	68	10
	Max.	62	64	64	66	68	70	72	74	76	72	72	68	76	14
	Range (1 - 99)	17	13	15	14	18	20	19	20	20	17	17	16	22	
27															
	Min.	45	46	45	43	45	45	45	46	47	46	47	46	43	4
	01	46	47	45	45	46	46	47	47	48	48	48	47	46	3
	05	47	47	47	47	47	48	48	49	50	50	51	49	48	4
	25	49	50	49	50	50	51	52	54	53	53	52	53	51	5
	50	52	52	51	52	53	54	55	57	57	56	54	54	54	6
	75	53	53	53	53	54	56	57	61	60	58	57	56	56	8
	95	55	56	55	56	56	61	64	63	64	62	60	57	61	9
	99	59	59	58	60	62	62	64	67	66	64	64	62	64	9
	Max.	62	62	58	62	66	66	66	72	70	68	66	66	72	14
	Range (1 - 99)	13	12	13	15	16	16	17	20	18	16	16	15	18	

Table I-2.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
28															
	Min.	43	45	45	43	46	45	45	47	47	47	47	46	43	4
	01	44	45	45	45	47	46	46	47	48	48	48	47	45	4
	05	46	46	46	47	48	49	49	49	50	50	50	49	47	4
	25	48	49	49	49	50	51	52	54	54	53	52	51	50	6
	50	51	50	50	51	52	55	56	58	57	56	55	53	54	8
	75	52	52	51	52	53	57	59	61	59	58	56	54	56	10
	95	54	53	55	55	56	62	64	64	63	61	58	55	60	11
	99	58	56	56	58	58	63	64	67	66	64	60	62	64	11
	Max.	60	60	62	58	62	66	63	70	68	68	62	64	70	12
	Range (1 - 99)	14	11	11	13	11	17	18	20	18	16	12	15	19	
29															
	Min.	43	43	43	43	45	45	47	48	49	49	46	44	43	6
	01	44	44	44	45	46	48	49	49	50	50	48	45	45	6
	05	45	45	45	47	48	50	51	53	52	52	49	47	47	8
	25	47	47	47	49	51	55	57	56	56	55	52	50	50	10
	50	50	49	49	50	53	57	59	61	59	57	54	52	54	12
	75	52	51	50	51	55	59	64	63	61	59	56	53	57	14
	95	53	52	54	55	57	62	65	65	65	61	57	55	62	13
	99	58	56	55	58	60	64	66	68	67	63	59	57	65	13
	Max.	58	56	58	58	62	66	68	70	68	66	60	58	70	14
	Range (1 - 99)	14	12	11	13	14	16	17	19	17	13	11	12	20	
30															
	Min.	39	38	37	41	44	43	45	50	48	46	44	40	37	13
	01	40	40	39	43	45	47	49	52	50	48	45	42	42	13
	05	42	43	43	45	47	49	52	53	52	50	47	45	45	11
	25	45	46	45	47	50	53	56	58	56	54	50	48	48	13
	50	48	48	48	49	52	56	59	60	59	56	52	50	53	12
	75	50	49	49	50	53	58	61	63	62	58	54	52	57	14
	95	52	52	52	54	56	62	64	65	65	61	57	54	62	13
	99	57	57	54	58	59	64	66	68	67	64	59	56	65	14
	Max.	58	60	60	60	64	68	70	68	70	68	60	60	70	12
	Range (1 - 99)	17	17	15	15	14	17	17	16	17	16	14	14	23	

Table I-2.--Continued

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
31															
	Min.	36	36	35	37	40	41	43	46	46	42	40	38	35	11
	01	38	39	39	41	43	45	47	49	48	45	42	42	41	11
	05	42	41	43	43	46	48	49	51	49	47	45	43	44	10
	25	44	45	45	46	48	51	54	55	52	50	48	46	47	11
	50	47	46	46	48	51	54	56	58	56	53	50	48	52	12
	75	48	48	47	49	52	56	58	61	58	55	52	50	54	14
	95	49	49	50	52	55	61	63	64	62	58	55	51	60	15
	99	54	54	54	55	60	63	67	70	65	62	57	54	64	16
	Max.	56	56	58	60	66	68	70	74	70	66	62	58	74	18
	Range (1 - 99)	16	15	15	14	17	18	20	21	17	17	15	12	23	
32															
	Min.	62	57	59	63	65	67	69	69	73	69	67	63	57	16
	01	67	63	67	69	73	76	79	81	79	75	73	71		18
	05	72	73	74	74	77	79	80	81	81	79	77	74		9
	25	76	76	76	77	79	81	82	83	83	81	79	77		7
	50	78	78	78	79	81	83	84	84	84	83	81	79	81	6
	75	79	79	79	81	83	84	86	86	85	85	83	81		7
	95	81	81	81	83	85	86	88	88	87	87	85	83		7
	99	84	84	84	85	86	90	90	90	89	89	86	85		6
	Max.	87	86	87	87	88	92	94	92	91	90	88	87	94	8
	Range (1 - 99)	17	21	17	16	13	14	11	9	10	14	13	14		
33															
	Min.	65	64	64	68	69	73	75	75	73	73	64	67	64	11
	01	68	66	68	70	73	78	78	78	78	75	71	70		12
	05	71	69	70	72	75	80	81	81	79	78	76	73		12
	25	73	73	73	75	78	81	83	83	82	80	78	75		10
	50	75	75	75	77	80	82	84	85	84	82	80	77	79	10
	75	77	77	77	79	81	84	85	86	85	84	82	79		9
	95	80	79	80	81	83	86	87	88	87	86	84	82		9
	99	83	82	84	84	86	88	89	90	90	87	87	84		8
	Max.	86	84	87	88	87	91	92	95	92	89	89	88	95	11
	Range (1 - 99)	15	16	16	14	13	10	11	12	12	12	16	14		

Table I-2.--Continued

Sub-region	Per-centile	Month J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
34	Min.	62	61	64	68	71	74	77	73	75	72	67	66	61	16
	01	65	66	66	69	72	77	81	78	80	75	71	70		16
	05	69	68	68	70	74	79	82	82	82	78	74	72		13
	25	71	71	71	72	77	81	84	84	84	80	76	74		13
	50	73	73	73	74	79	82	85	86	85	82	78	76	79	13
	75	75	75	75	76	80	83	86	87	86	84	80	77		12
	95	77	77	77	79	82	85	88	88	88	86	82	79		11
	99	80	80	80	81	84	87	90	90	90	88	84	82		10
	Max.	83	83	83	82	86	88	91	91	93	89	87	85	93	11
	Range (1 - 99)	15	14	14	12	12	10	9	12	10	13	13	12		
35															
	Min.	61	63	64	66	72	74	77	77	77	74	70	66	61	16
	01	63	65	67	69	73	77	79	79	79	76	72	68		16
	05	72	70	71	74	71	78	83	80	80	78	73	72		13
	25	74	72	72	75	76	80	84	83	82	80	76	74		12
	50	75	73	73	76	79	82	84	85	84	81	78	76	79	12
	75	75	74	74	77	80	83	85	85	85	82	79	76		11
	95	75	76	76	79	82	85	86	86	87	84	81	77		12
	99	76	76	76	79	83	87	87	87	89	84	81	78		13
	Max.	77	77	77	80	84	88	88	88	90	85	82	79	90	13
	Range (1 - 99)	13	11	9	10	10	10	8	8	10	8	9	10		
36															
	Min.	54	57	58	62	70	72	75	78	77	72	67	61	54	24
	01	56	59	62	66	72	76	79	79	79	75	71	64		23
	05	64	65	67	70	75	78	80	81	80	77	73	65		17
	25	69	69	71	73	77	80	82	83	82	79	75	70		14
	50	73	72	73	75	79	82	83	84	84	81	77	74	78	12
	75	74	74	75	77	81	83	84	85	84	82	79	76		11
	95	76	77	78	81	83	85	86	86	85	83	83	79		10
	99	76	76	77	79	83	87	88	87	86	84	81	78		12
	Max.	77	77	78	81	84	88	89	88	88	85	83	79	89	12
	Range (1 - 99)	20	17	15	13	11	11	9	8	7	9	10	14		

Table I-2.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
37															
	Min.	68	68	70	70	73	76	79	77	77	75	73	71	68	11
	01	69	69	71	71	74	77	80	78	78	76	74	72		11
	05	71	70	72	74	75	80	81	81	81	79	76	73		11
	25	73	72	73	75	77	81	82	82	83	81	78	75		11
	50	75	74	75	77	80	82	83	84	84	82	79	76	79	10
	75	75	75	76	79	81	83	84	85	84	83	80	77		10
	95	76	76	78	81	82	85	85	86	85	84	82	78		10
	99	77	77	79	82	84	86	89	87	86	85	84	79		12
	Max.	78	78	80	83	85	87	90	88	87	86	85	80	90	12
	Range (1 - 99)	8	8	8	11	10	9	9	9	8	9	10	7		
38															
	Min.	66	70	68	68	72	70	75	77	77	75	73	69	66	11
	01	68	71	69	71	73	73	77	78	78	76	74	70		10
	05	71	72	72	74	77	78	79	79	80	78	75	71		9
	25	73	74	74	76	79	80	81	81	82	80	77	74		9
	50	74	75	76	78	80	82	82	83	83	82	79	76	79	9
	75	76	77	78	80	81	84	83	85	85	86	81	79		10
	95	78	79	80	82	83	86	85	87	88	88	83	81		10
	99	79	80	81	83	84	88	87	89	89	89	84	82		10
	Max.	81	81	82	85	88	89	88	90	90	90	85	83	90	9
	Range (1 - 99)	11	9	12	12	11	15	10	11	11	13	10	12		
39															
	Min.	27	26	28	29	31	32	41	44	41	41	36	29	26	18
	01	28	28	29	30	33	37	44	51	49	44	39	31		23
	05	31	30	30	31	34	41	49	54	53	48	42	34		24
	25	34	32	32	33	37	44	52	58	57	51	45	38		26
	50	36	34	33	35	40	47	56	62	60	54	47	42	46	29
	75	39	36	35	37	42	50	59	64	63	57	50	45		28
	95	42	39	38	39	45	53	63	66	65	60	53	48		28
	99	44	42	42	43	50	57	66	69	68	63	57	49		27
	Max.	46	45	48	46	55	62	69	70	69	67	60	56	70	25
	Range (1 - 99)	16	14	13	13	17	20	22	18	19	19	18	18		

Table I-2.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
40															
	Mih.	27	28	29	31	32	36	45	52	50	44	37	29	27	25
	01	35	33	34	35	38	44	54	60	59	51	44	40		27
	05	43	37	38	39	41	47	57	63	61	56	50	45		26
	25	46	43	43	44	48	53	62	67	64	60	55	50		24
	50	49	49	49	51	53	59	66	70	68	64	59	54	58	21
	75	54	54	54	55	57	63	69	72	71	67	63	58		18
	95	58	58	58	60	62	67	73	76	75	71	67	62		18
	99	61	63	61	64	65	71	76	78	78	74	69	65		17
	Max.	70	73	69	74	76	81	83	85	82	82	78	75	85	16
	Range (1 - 99)	26	30	27	29	27	27	22	18	19	23	25	25		
41															
	Min.	29	28	28	32	35	41	48	53	51	47	42	35	28	25
	01	35	33	33	35	38	43	52	57	55	50	46	38		24
	05	38	36	36	37	40	46	55	59	58	53	48	42		23
	25	41	40	40	40	44	51	60	64	63	57	52	46		24
	50	44	43	43	43	48	55	63	68	66	60	55	49	53	25
	75	50	48	48	49	56	61	68	72	70	65	60	54		24
	95	56	56	52	56	64	70	75	77	75	72	66	60		25
	99	62	61	62	64	69	74	79	81	78	74	71	65		20
	Max.	69	67	67	69	74	79	82	84	82	78	75	70	84	17
	Range (1 - 99)	27	28	29	29	31	31	27	24	23	24	25	27		
42															
	Min.	44	42	45	44	48	58	60	66	66	61	57	49	42	24
	01	50	48	47	46	52	61	68	71	68	64	60	54		25
	05	54	53	53	53	57	64	71	74	71	69	64	58		21
	25	59	58	58	59	63	69	74	76	75	72	68	63		18
	50]	64	63	63	65	69	73	77	79	79	75	72	68	71	16
	75	68	67	67	69	72	75	79	81	81	77	74	71		14
	95	72	70	70	72	76	79	82	83	83	80	77	75		13
	99	74	73	72	75	78	81	84	85	85	82	79	77		13
	Max.	76	74	74	78	80	82	88	88	88	84	81	79	88	14
	Range (1 - 99)	24	25	25	29	26	20	16	14	17	18	19	23		

Table I-2.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
43	Min.	44	39	36	41	42	55	66	68	64	60	51	50	36	32
	01	45	40	39	44	44	60	67	70	68	62	54	51		31
	05	50	46	44	48	53	64	71	73	71	65	60	54		29
	25	55	53	51	54	59	68	73	76	74	70	64	59		25
	50	60	60	59	60	66	72	77	79	77	74	68	64	68	20
	75	66	66	65	67	72	76	80	81	80	77	72	69		16
	95	72	72	72	74	77	80	83	84	83	81	77	74		12
	99	75	74	73	78	80	83	85	86	84	83	79	76		13
	Max.	76	75	74	79	83	84	86	87	85	84	80	79	87	13
	Range (1 - 99)	30	34	34	34	36	23	18	16	16	21	25	25		
44	Min.	32	32	32	35	39	40	50	56	51	46	45	35	32	24
	01	39	36	37	38	42	50	61	65	61	54	50	42		29
	05	43	39	39	41	45	55	66	69	65	59	53	46		30
	25	49	45	45	46	51	61	70	73	69	64	58	52		28
	50	54	50	50	50	56	66	74	76	74	68	63	58	62	26
	75	59	55	56	57	61	71	77	78	77	71	68	63		23
	95	65	63	64	66	69	77	80	82	80	76	73	68		19
	99	73	70	73	73	76	82	83	84	82	80	77	75		14
	Max.	78	78	79	80	82	85	88	90	86	86	82	80	90	12
	Range (1 - 99)	34	34	36	35	34	32	22	19	21	26	27	33		
45	Min.	54	55	54	58	62	68	68	73	68	70	65	58	54	19
	01	57	56	56	59	63	69	70	74	69	71	66	59		18
	05	64	62	61	62	65	71	75	78	76	73	69	65		17
	25	66	64	63	64	68	73	77	79	78	75	71	67		16
	50	68	66	66	67	71	74	80	81	80	77	73	70	73	15
	75	70	68	68	70	73	77	82	82	81	79	75	72		14
	95	72	70	70	72	76	80	83	84	83	81	78	74		14
	99	74	72	72	75	79	80	84	86	85	81	80	76		14
	Max.	75	73	74	76	80	81	85	87	86	82	81	77	87	14
	Range (1 - 99)	17	16	16	16	16	11	14	12	16	10	14	17		

Table I-2.--Continued

Sub-region	Percentile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
46															
	Min.	55	54	56	57	58	64	69	74	68	68	61	58	54	20
	01	59	58	59	60	64	68	73	75	73	70	65	63		17
	05	64	62	63	64	67	72	76	78	76	73	70	67		16
	25	67	65	65	67	70	74	78	80	78	76	72	69		15
	50	69	67	67	69	72	76	80	82	80	78	74	71	74	15
	75	71	70	70	72	73	79	82	83	82	80	77	74		13
	95	73	72	72	75	77	82	83	84	84	82	79	76		12
	99	76	76	75	77	80	83	85	86	85	84	81	78		11
	Max.	78	80	76	80	82	84	86	88	89	85	82	80	89	13
	Range (1 - 99)	17	18	16	17	16	15	12	11	12	14	16	15		
47															
	Min.	43	40	39	41	48	55	68	68	67	60	52	48	39	29
	01	50	44	42	44	50	60	70	72	68	63	56	52		30
	05	54	52	49	48	56	64	72	75	72	67	62	57		27
	25	62	60	60	60	66	72	76	79	76	72	68	65		19
	50	70	68	68	69	73	77	80	82	80	77	74	70	74	14
	75	73	72	71	72	76	79	83	84	82	80	77	73		13
	95	76	75	75	77	80	82	85	86	84	82	80	77		11
	99	78	77	77	79	82	84	87	88	86	84	82	79		11
	Max.	80	80	81	80	87	85	90	90	88	87	84	81	90	10
	Range (1 - 99)	28	33	35	35	32	24	17	16	18	21	26	27		
48															
	Min.	57	53	55	56	62	66	68	68	69	68	60	58	53	16
	01	62	58	61	61	65	70	74	76	75	71	67	63		18
	05	64	63	64	64	67	72	77	79	77	74	70	67		16
	25	67	66	66	66	70	75	79	81	79	76	73	69		15
	50	69	68	68	68	72	77	81	82	81	78	75	71	74	14
	75	71	70	70	71	75	79	83	84	83	80	77	74		14
	95	74	72	72	73	77	81	84	85	85	83	79	76		13
	99	76	75	75	76	80	84	86	87	86	84	81	79		12
	Max.	81	79	78	82	83	86	90	90	89	87	85	84	90	12
	Range (1 - 99)	14	17	14	15	15	14	12	11	11	13	14	16		

Table I-2.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
49															
	Min.	62	58	60	62	66	68	72	74	72	67	65	59	58	16
	01	66	64	65	66	70	73	77	78	77	74	71	66		14
	05	69	67	67	69	73	76	80	80	80	76	73	71		13
	25	71	70	70	72	75	78	82	82	82	78	75	73		12
	50	73	72	72	74	76	80	83	84	83	80	77	74	77	12
	75	75	74	74	76	78	82	85	85	85	82	79	76		11
	95	76	76	76	78	80	84	86	86	86	84	81	78		10
	99	78	78	78	79	82	85	87	88	88	85	83	80		10
	Max.	82	80	82	85	86	86	90	91	90	89	86	84	91	11
	Range (1 - 99)	12	14	13	13	12	12	10	10	11	11	12	14		
50															
	Min.	64	61	63	62	64	68	72	74	72	70	66	65	61	13
	01	68	66	65	67	70	73	78	79	77	76	72	70		14
	05	70	68	68	70	72	76	79	81	80	78	75	72		13
	25	72	70	70	72	74	78	80	83	82	80	77	74		13
	50	74	73	73	73	76	79	82	84	83	81	78	75	78	11
	75	76	75	75	75	78	81	84	85	84	82	80	77		10
	95	78	77	77	77	80	83	86	86	86	84	82	80		9
	99	81	80	81	81	82	86	87	88	88	86	85	82		8
	Max.	83	82	84	86	86	87	88	90	92	89	86	84	92	10
	Range (1 - 99)	13	14	16	14	12	13	9	9	11	10	13	12		
51															
	Min.	60	62	61	67	67	69	76	72	73	70	68	62	60	16
	01	67	67	66	68	70	73	78	78	78	74	72	69		12
	05	70	69	69	71	73	76	80	80	80	77	74	72		11
	25	72	71	71	73	75	78	82	82	82	79	76	74		11
	50	74	73	73	74	76	80	83	84	83	81	78	75	78	11
	75	75	75	75	76	78	82	84	85	84	82	79	77		10
	95	77	77	77	78	81	84	86	87	86	84	81	79		10
	99	79	79	79	80	83	85	88	89	88	86	84	81		10
	Max.	85	81	80	82	86	86	90	92	90	88	86	86	92	12
	Range (1 - 99)	12	12	13	12	13	12	10	11	10	12	12	12		

Table I-2.--Continued

Sub-region	Percentile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
52															
	Min.	66	67	67	69	68	72	73	74	76	72	68	67	66	10
	01	72	70	70	72	73	76	78	79	79	78	74	72		9
	05	74	73	73	74	76	79	80	81	81	80	77	75		8
	25	76	75	75	76	78	81	82	83	83	82	79	77		8
	50	77	76	77	78	79	82	83	84	84	83	81	79	80	8
	75	79	78	78	79	81	83	84	85	85	84	82	80		7
	95	81	80	80	81	83	85	86	87	87	86	84	82		7
	99	82	82	82	84	85	86	88	89	89	88	86	85		7
	Max.	87	86	84	86	88	89	91	90	91	90	88	87	91	7
	Range (1 - 99)	10	12	12	12	12	10	10	10	10	10	12	13		
53															
	Min.	41	41	41	41	42	46	50	50	51	46	45	41	41	10
	01	42	42	42	42	43	47	51	51	52	48	46	42		11
	05	43	43	43	43	44	49	53	53	54	50	48	44		11
	25	45	44	44	45	47	51	55	57	57	53	50	47		13
	50	46	45	45	46	49	53	57	60	59	55	52	49	51	15
	75	48	47	47	48	51	55	59	62	61	57	53	50		15
	95	50	49	49	51	53	57	61	65	64	60	55	52		16
	99	51	54	52	52	56	60	64	66	65	61	56	53		15
	Max.	52	55	53	53	57	61	65	67	66	62	57	54	67	15
	Range (1 - 99)	10	12	10	10	13	13	13	15	13	13	10	11		
54															
	Min.	34	34	36	37	39	41	45	50	50	45	42	39	34	16
	01	39	37	38	40	41	45	49	53	53	48	44	41		16
	05	42	41	41	42	44	47	51	55	54	50	46	45		14
	25	44	43	43	44	46	49	54	57	56	53	49	47		14
	50	46	45	45	45	48	52	56	59	58	55	52	48	51	14
	75	48	47	46	47	50	54	58	61	61	57	54	50		15
	95	50	49	48	49	52	56	61	64	64	60	56	52		16
	99	51	54	52	52	55	59	63	66	66	63	58	55		15
	Max.	55	55	54	56	59	64	67	67	67	65	60	56	67	13
	Range (1 - 99)	12	17	14	12	14	14	14	13	13	15	14	14		

Table I-2.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
55															
	Min.	42	41	37	42	45	48	52	52	52	49	45	43	37	15
	01	43	42	38	43	46	49	53	53	53	50	46	44		15
	05	45	45	45	47	48	51	56	58	57	54	51	48		13
	25	47	47	47	48	50	54	58	60	60	57	53	50		13
	50	49	49	48	49	51	56	60	62	62	59	55	51	54	14
	75	50	50	50	51	54	58	61	64	64	61	56	53		14
	95	52	51	52	53	57	60	63	67	66	63	57	55		16
	99	53	52	54	55	58	61	64	69	67	67	58	56		17
	Max.	55	53	56	57	59	62	65	70	68	68	59	57	70	17
	Range (1 - 99)	10	10	16	12	12	12	11	16	14	17	12	12		
56															
	Min.	44	42	42	42	43	50	51	55	57	51	47	45	42	15
	01	45	43	43	43	44	51	52	56	58	52	48	46		15
	05	46	44	44	44	46	52	54	58	59	55	50	48		15
	25	48	46	45	45	49	54	56	61	61	58	53	49		15
	50	49	47	46	46	51	55	58	64	62	60	56	50	54	18
	75	50	49	49	48	53	58	61	65	63	62	57	53		17
	95	52	52	52	50	55	61	64	66	65	64	59	57		16
	99	55	53	53	51	56	62	65	69	66	65	60	58		18
	Max.	56	54	54	52	58	63	66	70	67	66	61	59	70	18
	Range (1 - 99)	10	10	10	8	12	11	13	13	8	13	12	12		
57															
	Min.	45	45	44	45	46	51	54	59	56	54	51	46	44	15
	01	46	46	45	46	47	52	55	60	57	55	52	47		15
	05	48	47	46	47	50	53	57	61	61	57	53	51		15
	25	51	49	48	49	51	55	60	62	63	59	55	53		15
	50	53	51	50	50	52	57	62	63	64	61	57	54	56	14
	75	54	52	51	52	54	58	62	65	65	63	59	55		14
	95	56	53	53	55	56	60	63	68	66	65	62	57		15
	99	57	54	55	56	59	63	66	70	71	67	64	62		17
	Max.	58	55	56	58	61	64	67	71	72	68	65	63	72	17
	Range (1 - 99)	11	8	10	10	12	11	11	10	14	12	12	15		

Table I-2.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
58															
	Min.	50	46	46	44	45	50	52	57	55	55	50	50	44	13
	01	51	47	47	45	46	51	53	58	57	56	51	51		13
	05	50	48	48	48	48	52	56	60	60	59	53	52		12
	25	52	50	50	49	51	55	59	62	62	61	56	54		13
	50	53	51	51	52	54	57	61	64	64	63	59	56	57	13
	75	55	52	52	53	55	60	63	66	66	65	61	58		14
	95	57	54	54	55	57	63	66	69	68	67	64	60		15
	99	58	55	58	57	60	67	67	70	69	68	65	61		15
	Max.	59	56	59	58	61	68	68	71	70	69	66	62	71	15
	Range (1 - 99)	7	8	11	12	14	16	14	12	12	12	14	10		
59															
	Min.	48	48	48	48	49	51	52	56	57	55	52	51	48	9
	01	49	49	49	49	50	52	53	57	58	56	53	52		9
	05	50	50	50	50	51	53	56	58	60	57	54	53		10
	25	52	51	51	52	53	55	59	60	62	59	56	54		11
	50	54	52	52	53	54	57	61	62	63	60	58	55	57	15
	75	55	53	53	54	56	59	62	64	64	62	60	57		11
	95	56	55	55	56	59	62	64	66	66	64	62	60		11
	99	57	56	56	57	60	63	65	67	67	65	62	61		11
	Max.	58	57	57	58	61	64	66	68	68	66	63	62	68	11
	Range (1 - 99)	8	7	7	8	10	11	12	10	9	9	9	9		
60															
	Min.	50	46	48	48	48	52	56	61	61	59	54	54	46	15
	01	51	48	49	49	49	53	57	62	62	60	55	55		14
	05	52	51	50	50	52	55	58	63	63	62	58	56		13
	25	54	53	52	53	54	58	60	65	66	64	61	58		14
	50	56	55	54	55	56	60	62	67	68	66	63	59	60	14
	75	58	56	56	56	58	61	65	69	69	67	64	60		13
	95	61	58	58	58	60	62	68	71	70	69	65	62		13
	99	63	60	62	62	61	63	69	73	72	70	65	63		13
	Max.	64	61	63	63	63	68	70	74	73	71	66	64	74	13
	Range (1 - 99)	12	12	13	13	12	10	12	11	10	10	10	8		

Table I.2--Concluded

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
61															
	Min.	46	48	46	48	48	52	52	52	54	54	50	50	46	8
	01	48	50	48	50	50	53	53	54	56	55	52	52		8
	05	52	52	51	52	53	56	56	58	59	58	58	55		8
	25	55	54	53	54	55	58	59	61	62	61	60	57		9
	50	57	55	55	56	57	60	62	63	65	63	61	59	59	10
	75	59	57	58	59	59	62	64	65	67	65	63	61		10
	95	61	60	61	62	61	64	66	68	69	68	66	63		9
	99	64	63	62	63	63	66	68	72	72	70	68	65		10
	Max.	66	64	64	65	65	68	69	74	74	72	71	66	74	10
	Range (1 - 99)	16	13	14	13	13	13	15	18	16	15	16	13		
62															
	Min.	45	52	48	52	52	55	54	57	55	58	54	55	45	13
	01	52	53	52	54	54	56	57	60	60	60	57	56		8
	05	56	55	54	55	56	58	61	62	63	62	60	57		9
	25	58	57	56	57	58	60	63	64	65	64	62	60		9
	50	60	59	58	59	60	62	64	65	67	65	64	62	62	9
	75	62	60	60	61	62	64	66	68	69	67	66	64		9
	95	64	62	62	63	64	67	69	71	72	70	68	66		10
	99	66	65	65	64	66	70	72	73	75	72	71	69		11
	Max.	68	68	70	65	68	71	74	75	76	73	72	70	76	11
	Range (1 - 99)	14	12	13	10	12	14	15	13	15	12	14	13		

d. Sea level pressures

Table I-3.--Percentiles of all barometric pressures (mb) in TDF-11 by months by subregion

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
01															
	Min.	959	960	973	981	972	983	994	996	976	976	971	966	959	37
	01	974	974	978	986	988	994	1000	1000	998	988	979	982	987	26
	05	984	988	986	995	999	1000	1005	1006	1003	997	995	990	996	16
	25	1000	1001	1000	1004	1009	1009	1012	1013	1011	1009	1007	1004	1007	13
	50	1010	1009	1009	1013	1016	1015	1017	1018	1017	1016	1016	1013	1013	9
	75	1019	1019	1017	1020	1022	1020	1021	1022	1022	1022	1024	1021	1021	7
	95	1030	1031	1026	1030	1030	1026	1027	1027	1029	1030	1033	1032	1029	7
	99	1036	1039	1032	1038	1034	1032	1031	1030	1033	1034	1037	1038	1035	9
	Max.	1043	1045	1039	1041	1036	1035	1038	1030	1036	1039	1043	1039	1045	15
	Range (1 - 99)	62	65	54	52	46	38	31	30	35	46	58	56	48	
02															
	Min.	986	969	984	978	976	995	995	1001	967	976	993	971	967	34
	01	996	997	994	1000	1004	1004	1008	1008	1003	1003	1000	1001	1002	14
	05	1004	1006	1003	1006	1009	1010	1015	1013	1011	1008	1008	1007	1008	12
	25	1015	1016	1013	1014	1015	1017	1020	1017	1017	1014	1015	1015	1016	7
	50	1021	1022	1019	1019	1019	1021	1023	1020	1020	1018	1019	1020	1019	5
	75	1026	1027	1025	1024	1022	1024	1025	1023	1023	1021	1023	1025	1024	6
	95	1032	1033	1031	1029	1027	1028	1028	1026	1027	1026	1029	1031	1029	7
	99	1036	1037	1035	1034	1032	1031	1031	1029	1031	1029	1033	1035	1033	8
	Max.	1039	1037	1036	1044	1041	1035	1040	1039	1033	1030	1040	1040	1044	14
	Range (1 - 99)	40	40	41	34	28	27	23	21	28	26	33	34	31	
03															
	Min.	999	1001	996	978	997	994	1000	1004	1002	998	1001	1001	996	26
	01	1008	1009	1008	1008	1008	1006	1010	1009	1008	1005	1006	1008	1008	5
	05	1011	1012	1011	1012	1011	1011	1013	1011	1010	1009	1009	1011	1011	4
	25	1014	1015	1014	1014	1014	1013	1015	1014	1012	1012	1012	1014	1014	3
	50	1016	1016	1016	1016	1016	1015	1016	1016	1014	1014	1014	1015	1015	2
	75	1018	1018	1018	1018	1017	1017	1017	1017	1016	1015	1016	1017	1017	3
	95	1021	1021	1021	1021	1019	1019	1019	1019	1019	1017	1018	1020	1020	4
	99	1024	1024	1024	1023	1021	1023	1024	1021	1021	1019	1021	1023	1022	5
	Max.	1025	1028	1033	1032	1032	1030	1033	1031	1032	1021	1031	1032	1033	12
	Range (1 - 99)	16	15	16	15	13	17	14	12	13	14	15	15	14	

Table I-3.--Continued

Sub-region	Percentile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
04															
	Min.	976	970	977	980	990	994	994	992	988	973	980	971	970	24
	01	986	982	988	990	997	999	1001	1001	996	994	992	987	993	19
	05	995	993	995	997	1002	1004	1005	1007	1005	1001	1000	1000	1000	14
	25	1009	1007	1006	1008	1010	1011	1011	1013	1014	1011	1010	1012	1010	8
	50	1017	1016	1013	1015	1016	1016	1015	1017	1020	1017	1017	1019	1015	7
	75	1025	1023	1020	1023	1021	1021	1019	1021	1026	1023	1024	1025	1023	7
	95	1035	1032	1030	1034	1029	1028	1025	1027	1034	1031	1032	1033	1031	10
	99	1042	1038	1037	1039	1035	1032	1029	1031	1038	1037	1036	1038	1036	13
	Max.	1052	1042	1040	1042	1038	1033	1030	1037	1041	1039	1041	1045	1052	22
	Range (1 - 99)	56	56	49	49	38	33	28	30	42	43	44	51	43	
05															
	Min.	976	976	967	977	977	995	996	968	973	978	974	983	967	29
	01	989	985	986	992	998	1001	1002	998	1000	995	992	993	994	17
	05	996	995	999	999	1003	1006	1008	1007	1007	1002	1001	1001	1002	13
	25	1008	1008	1010	1009	1009	1013	1014	1013	1016	1012	1011	1011	1011	8
	50	1015	1016	1016	1015	1015	1018	1018	1017	1021	1018	1019	1017	1016	6
	75	1022	1023	1022	1021	1021	1023	1022	1021	1026	1023	1025	1024	1023	5
	95	1031	1034	1031	1030	1029	1029	1028	1027	1033	1030	1032	1033	1031	7
	99	1037	1039	1036	1035	1033	1033	1032	1032	1037	1036	1038	1038	1036	7
	Max.	1042	1042	1040	1040	1035	1036	1035	1048	1037	1040	1041	1043	1048	13
	Range (1 - 99)	48	54	50	43	35	32	30	34	37	41	46	45	42	
06															
	Min.	978	971	983	985	995	992	994	977	992	995	989	983	971	24
	01	992	983	990	991	1000	1002	1001	1002	1001	999	992	993	996	19
	05	1000	997	999	999	1005	1006	1007	1007	1006	1004	1003	1002	1003	10
	25	1012	1011	1009	1009	1011	1012	1014	1013	1013	1013	1012	1014	1012	5
	50	1018	1018	1016	1015	1016	1016	1018	1016	1018	1019	1019	1021	1016	6
	75	1026	1024	1021	1020	1020	1020	1022	1020	1023	1024	1025	1027	1023	7
	95	1034	1034	1029	1029	1027	1026	1027	1025	1030	1032	1033	1035	1030	10
	99	1039	1040	1035	1034	1030	1031	1031	1029	1034	1036	1039	1040	1035	11
	Max.	1042	1042	1041	1035	1032	1035	1031	1032	1037	1040	1041	1041	1042	11
	Range (1 - 99)	47	57	45	43	30	29	30	27	33	37	47	47	39	

Table I-3.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
07	Min.	977	972	971	981	991	992	977	976	985	993	979	979	971	22
	01	993	988	992	994	1000	1001	1002	1002	1001	998	994	995	997	14
	05	1001	999	1000	1001	1006	1006	1008	1008	1008	1003	1003	1002	1004	9
	25	1013	1011	1011	1010	1013	1013	1014	1013	1015	1013	1013	1013	1013	5
	50	1020	1018	1017	1017	1018	1017	1018	1017	1020	1018	1020	1019	1017	3
	75	1027	1025	1023	1023	1023	1021	1021	1021	1025	1022	1026	1025	1024	6
	95	1036	1035	1031	1031	1030	1027	1026	1026	1031	1029	1033	1034	1031	10
	99	1042	1041	1038	1035	1034	1032	1029	1030	1036	1034	1039	1039	1036	13
	Max.	1045	1044	1042	1040	1037	1038	1031	1041	1043	1040	1039	1043	1045	14
	Range (1 - 99)	49	53	46	41	34	31	27	28	35	36	45	44	39	
08	Min.	983	975	983	974	994	991	981	990	991	992	981	983	974	20
	01	995	992	994	996	1002	1003	1006	1005	1002	999	996	996	999	14
	05	1003	1000	1001	1003	1007	1008	1010	1009	1009	1004	1004	1003	1005	10
	25	1014	1011	1011	1011	1013	1013	1015	1014	1016	1013	1013	1014	1013	5
	50	1020	1017	1017	1017	1017	1017	1019	1017	1020	1018	1019	1020	1017	3
	75	1026	1023	1023	1022	1021	1021	1023	1020	1024	1023	1024	1026	1023	6
	95	1034	1031	1031	1029	1027	1027	1028	1025	1030	1029	1031	1032	1030	9
	99	1039	1036	1038	1034	1033	1031	1031	1029	1034	1033	1036	1036	1034	10
	Max.	1046	1044	1044	1039	1037	1033	1034	1034	1040	1040	1041	1041	1046	13
	Range (1 - 99)	44	44	44	38	31	28	25	24	32	34	40	40	35	
09	Min.	984	984	982	988	990	997	1001	991	987	993	987	984	982	19
	01	996	994	996	997	1001	1004	1006	1006	1003	999	1000	998	1000	12
	05	1003	1001	1002	1004	1007	1009	1010	1011	1009	1005	1006	1005	1006	10
	25	1014	1012	1011	1013	1013	1014	1015	1016	1015	1013	1014	1015	1014	5
	50	1020	1018	1017	1019	1017	1017	1018	1019	1018	1018	1019	1020	1017	3
	75	1025	1024	1022	1024	1021	1020	1021	1022	1021	1022	1023	1025	1023	5
	95	1032	1032	1029	1030	1027	1025	1026	1026	1025	1028	1028	1031	1028	7
	99	1037	1037	1034	1034	1032	1029	1029	1028	1028	1032	1033	1035	1032	9
	Max.	1044	1041	1041	1040	1035	1031	1034	1030	1040	1039	1037	1038	1044	14
	Range (1 - 99)	41	43	38	37	31	25	23	22	25	33	33	37	32	

Table I-3.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
10	Min.	983	985	989	990	990	985	992	986	999	989	993	995	983	16
	01	999	997	1000	999	1003	1004	1008	1005	1004	1001	1001	1002	1002	11
	05	1005	1003	1005	1006	1009	1010	1012	1010	1009	1007	1008	1007	1008	9
	25	1015	1013	1013	1014	1015	1015	1016	1015	1015	1015	1015	1015	1015	3
	50	1021	1019	1018	1020	1019	1018	1019	1018	1018	1020	1019	1021	1018	3
	75	1026	1024	1022	1025	1023	1021	1022	1021	1021	1024	1023	1026	1023	5
	95	1032	1031	1028	1030	1027	1025	1026	1025	1026	1030	1028	1032	1028	7
	99	1037	1035	1033	1034	1031	1028	1028	1028	1029	1034	1033	1036	1032	9
	Max.	1041	1039	1038	1035	1033	1033	1032	1028	1032	1034	1037	1037	1041	13
	Range (1 - 99)	38	38	33	35	28	24	20	23	25	33	32	34	30	
11	Min.	996	990	978	979	989	991	1000	987	982	990	998	1000	978	22
	01	1003	1002	1004	1002	1004	1007	1010	1006	1005	1002	1005	1005	1005	8
	05	1009	1008	1008	1009	1009	1011	1013	1011	1009	1008	1010	1010	1010	5
	25	1018	1015	1014	1016	1014	1015	1017	1016	1014	1014	1016	1016	1015	4
	50	1023	1020	1018	1020	1017	1018	1020	1019	1016	1018	1020	1020	1018	7
	75	1027	1024	1022	1024	1020	1021	1022	1022	1018	1022	1023	1024	1022	9
	95	1032	1029	1028	1029	1025	1024	1026	1025	1022	1027	1027	1028	1027	10
	99	1036	1033	1032	1032	1028	1027	1029	1027	1025	1031	1030	1031	1030	11
	Max.	1039	1038	1035	1032	1032	1031	1031	1030	1032	1033	1035	1038	1039	9
	Range (1 - 99)	33	31	28	30	24	20	19	21	20	29	25	26	25	
12	Min.	999	995	993	1000	998	995	1002	1000	987	975	981	976	975	27
	01	1005	1007	1007	1006	1006	1008	1011	1008	1002	1003	1006	1008	1006	9
	05	1010	1011	1010	1011	1010	1012	1014	1012	1009	1008	1010	1012	1011	6
	25	1017	1017	1015	1017	1014	1015	1017	1017	1014	1014	1015	1017	1016	3
	50	1021	1021	1018	1021	1017	1017	1019	1020	1016	1017	1017	1020	1018	5
	75	1024	1025	1021	1024	1020	1019	1021	1022	1018	1020	1020	1023	1021	7
	95	1028	1030	1025	1028	1024	1022	1024	1024	1021	1023	1024	1026	1025	9
	99	1031	1034	1028	1031	1027	1025	1027	1026	1023	1026	1027	1029	1028	11
	Max.	1034	1034	1034	1033	1031	1031	1030	1035	1028	1030	1033	1033	1035	7
	Range (1 - 99)	26	27	21	25	21	17	16	18	21	23	21	21	22	

Table I-3.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
13															
	Min.	1002	989	1002	1002	1000	995	999	1001	995	991	1001	1001	989	13
	01	1009	1008	1008	1008	1007	1006	1011	1009	1006	1004	1008	1011	1008	7
	05	1012	1012	1011	1011	1010	1011	1013	1011	1011	1008	1012	1014	1011	6
	25	1017	1017	1015	1016	1014	1015	1016	1014	1014	1013	1016	1017	1015	4
	50	1020	1020	1017	1019	1016	1017	1018	1016	1016	1015	1018	1019	1017	5
	75	1022	1022	1019	1022	1018	1019	1019	1018	1018	1018	1020	1022	1020	4
	95	1025	1026	1023	1026	1021	1021	1021	1020	1021	1021	1023	1026	1023	6
	99	1028	1030	1026	1029	1023	1023	1023	1023	1023	1024	1025	1029	1026	7
	Max.	1035	1032	1031	1033	1026	1033	1032	1030	1030	1028	1032	1031	1035	9
	Range (1 - 99)	19	22	18	21	16	17	12	14	17	20	17	18	18	
14															
	Min.	1006	1002	1005	1005	1006	1005	1007	1008	1004	999	1006	1006	999	9
	01	1008	1007	1007	1007	1007	1008	1010	1009	1007	1004	1008	1010	1008	6
	05	1011	1010	1010	1010	1010	1011	1013	1012	1010	1009	1012	1013	1011	4
	25	1016	1015	1015	1014	1014	1014	1016	1015	1014	1014	1016	1017	1015	3
	50	1019	1018	1018	1017	1016	1017	1018	1017	1016	1016	1018	1020	1017	4
	75	1022	1021	1021	1019	1019	1019	1019	1018	1018	1018	1020	1022	1020	4
	95	1025	1025	1025	1023	1023	1022	1022	1021	1021	1021	1023	1026	1023	4
	99	1028	1029	1029	1026	1026	1025	1025	1024	1021	1024	1026	1029	1026	8
	Max.	1031	1029	1030	1031	1026	1027	1027	1027	1021	1025	1027	1029	1031	10
	Rangw (1 - 99)	20	22	22	19	19	17	15	15	14	20	18	19	18	
15															
	Min.	1005	1001	1002	1004	1004	1007	1008	1005	1004	1004	1006	1006	1001	7
	01	1007	1003	1005	1006	1008	1008	1010	1008	1005	1005	1008	1009	1007	7
	05	1011	1009	1009	1011	1011	1010	1013	1011	1008	1010	1011	1012	1011	5
	25	1017	1016	1015	1016	1016	1014	1017	1014	1012	1015	1016	1018	1016	6
	50	1022	1021	1020	1019	1018	1017	1019	1016	1015	1018	1019	1021	1018	7
	75	1025	1025	1023	1022	1021	1020	1021	1018	1017	1020	1022	1024	1022	8
	95	1029	1030	1029	1026	1024	1024	1024	1021	1020	1023	1027	1029	1026	10
	99	1032	1031	1032	1027	1026	1036	1026	1023	1023	1028	1028	1031	1029	13
	Max.	1032	1031	1032	1027	1026	1036	1026	1027	1027	1028	1028	1021	1036	10
	Range (1 - 99)	25	28	27	21	18	28	16	15	18	23	20	22	22	

Table I-3.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
16															
	Min.	1000	997	1000	1000	999	997	1001	1001	981	998	1001	998	997	20
	01	1006	1003	1005	1005	1006	1007	1010	1009	1005	1004	1008	1007	1006	7
	05	1012	1009	1009	1010	1010	1010	1013	1013	1009	1009	1011	1012	1011	4
	25	1017	1016	1015	1015	1014	1014	1016	1016	1013	1013	1016	1018	1015	5
	50	1021	1020	1019	1019	1016	1017	1018	1018	1015	1016	1019	1022	1017	7
	75	1024	1023	1022	1022	1018	1019	1021	1021	1017	1019	1022	1026	1021	9
	95	1029	1028	1027	1026	1021	1022	1024	1024	1020	1023	1027	1031	1025	11
	99	1033	1032	1030	1029	1023	1024	1027	1027	1023	1027	1030	1035	1028	12
	Max.	1036	1035	1033	1032	1028	1027	1030	1031	1028	1032	1033	1037	1037	10
	Range (1 - 99)	27	29	25	24	17	17	17	18	18	23	22	28	22	
17															
	Min.	997	995	998	980	990	978	999	999	994	1000	992	976	976	24
	01	1007	1003	1004	1004	1006	1007	1009	1009	1004	1006	1007	1008	1006	6
	05	1011	1008	1008	1009	1010	1010	1012	1011	1009	1010	1011	1012	1010	4
	25	1018	1015	1014	1015	1014	1013	1015	1014	1014	1014	1015	1017	1015	5
	50	1022	1019	1018	1019	1017	1015	1017	1016	1015	1017	1018	1021	1017	7
	75	1025	1023	1022	1022	1020	1017	1019	1018	1018	1019	1021	1025	1021	8
	95	1030	1028	1028	1026	1024	1019	1022	1021	1020	1023	1026	1030	1025	11
	99	1034	1032	1032	1029	1027	1021	1024	1023	1024	1027	1030	1033	1028	13
	Max.	1037	1041	1032	1032	1029	1031	1030	1031	1029	1035	1035	1037	1041	12
	Range (1 - 99)	27	29	28	25	21	14	15	14	20	21	23	25	22	
18															
	Min.	996	994	998	993	1001	985	999	996	981	1000	999	1000	993	20
	01	1006	1003	1002	1003	1005	1006	1009	1009	1004	1006	1006	1005	1005	7
	05	1010	1008	1007	1008	1008	1010	1013	1011	1010	1010	1011	1010	1010	6
	25	1016	1015	1014	1013	1013	1014	1017	1014	1014	1014	1016	1016	1015	4
	50	1020	1020	1018	1017	1016	1017	1019	1016	1016	1017	1020	1019	1017	4
	75	1023	1024	1022	1021	1019	1020	1021	1018	1018	1020	1024	1023	1021	6
	95	1029	1030	1028	1026	1023	1023	1023	1020	1021	1024	1030	1029	1026	10
	99	1033	1034	1032	1029	1026	1026	1025	1022	1024	1029	1034	1033	1029	12
	Max.	1038	1041	1035	1031	1031	1029	1027	1028	1025	1037	1036	1040	1041	16
	Range (1 - 99)	27	31	30	26	21	20	16	13	20	23	28	28	24	

Table I-3.--Continued

Sub-region	Percentile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
19															
	Min.	999	998	996	995	1000	1001	1007	1001	992	1002	998	1000	992	15
	01	1003	1003	1002	1002	1003	1006	1009	1008	1005	1006	1002	1005	1005	7
	05	1009	1007	1007	1006	1007	1010	1012	1011	1009	1010	1009	1009	1009	6
	25	1015	1013	1014	1012	1011	1014	1016	1014	1013	1014	1015	1016	1014	5
	50	1019	1017	1019	1016	1014	1017	1018	1016	1016	1017	1019	1020	1016	6
	75	1024	1021	1024	1020	1018	1020	1020	1018	1019	1020	1023	1024	1021	6
	95	1031	1026	1031	1025	1023	1023	1022	1021	1022	1025	1029	1030	1026	10
	99	1036	1030	1033	1028	1027	1023	1024	1023	1024	1029	1034	1035	1029	13
	Max.	1040	1041	1033	1031	1030	1023	1024	1023	1024	1033	1040	1038	1041	18
	Range (1 - 99)	33	27	31	26	24	17	15	15	19	23	32	30	24	
20															
	Min.	992	1001	1001	1001	1000	1000	1001	1000	998	1001	1007	1001	992	15
	01	1008	1009	1008	1008	1009	1007	1007	1007	1005	1007	1010	1006	1008	5
	05	1012	1012	1011	1011	1012	1010	1010	1009	1008	1009	1013	1011	1011	5
	25	1017	1016	1015	1015	1015	1014	1013	1012	1011	1012	1016	1015	1014	6
	50	1019	1019	1018	1018	1018	1016	1015	1014	1014	1014	1018	1017	1016	5
	75	1021	1022	1021	1020	1020	1018	1017	1016	1016	1017	1020	1020	1019	6
	95	1025	1026	1024	1023	1023	1021	1020	1019	1019	1020	1023	1024	1022	7
	99	1028	1029	1027	1026	1026	1023	1023	1022	1021	1022	1026	1027	1025	8
	Max.	1033	1029	1030	1026	1028	1023	1025	1028	1023	1024	1027	1030	1033	10
	Range (1 - 99)	20	20	19	18	17	16	16	15	16	15	16	21	17	
21															
	Min.	1012	1006	1010	1009	1012	1008	1009	1007	1007	1009	1011	1011	1006	6
	01	1013	1007	1010	1011	1012	1010	1010	1009	1008	1009	1011	1011	1010	6
	05	1015	1012	1013	1015	1014	1012	1013	1012	1010	1011	1013	1014	1013	5
	25	1019	1016	1017	1018	1017	1015	1016	1015	1014	1015	1017	1018	1016	5
	50	1022	1019	1020	1020	1019	1018	1018	1017	1016	1018	1019	1022	1018	6
	75	1025	1022	1023	1022	1021	1021	1020	1019	1019	1021	1022	1025	1022	6
	95	1028	1026	1026	1026	1024	1024	1023	1022	1022	1024	1027	1029	1025	7
	99	1030	1027	1027	1029	1027	1025	1023	1023	1022	1024	1030	1029	1026	8
	Max.	1031	1027	1027	1029	1027	1025	1023	1023	1022	1024	1030	1029	1031	9
	Range (1 - 99)	17	20	17	18	15	15	13	14	16	15	19	18	16	

Table I-3.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
22	Min.	997	997	1000	999	1001	999	1001	991	999	998	1005	999	991	10
	01	1003	1007	1005	1006	1008	1006	1006	1006	1005	1007	1007	1006	1006	5
	05	1011	1011	1010	1010	1010	1010	1009	1009	1008	1010	1011	1011	1010	3
	25	1016	1015	1014	1014	1013	1013	1011	1012	1011	1013	1015	1017	1014	6
	50	1019	1018	1017	1016	1016	1015	1013	1014	1014	1015	1018	1019	1016	6
	75	1022	1020	1020	1018	1018	1018	1013	1016	1017	1017	1021	1021	1019	9
	95	1026	1024	1024	1021	1021	1021	1015	1019	1020	1019	1025	1025	1022	11
	99	1029	1026	1028	1023	1023	1023	1020	1022	1022	1021	1028	1028	1024	9
	Max.	1032	1032	1031	1027	1026	1025	1027	1027	1022	1028	1030	1031	1032	10
	Range (1 - 99)	26	19	23	17	15	17	14	16	17	14	21	22	18	
23	Min.	1001	998	996	998	1004	999	1002	1001	1001	1001	1003	998	996	8
	01	1007	1006	1006	1007	1009	1008	1009	1008	1005	1007	1007	1005	1007	4
	05	1012	1012	1012	1011	1012	1011	1011	1011	1009	1011	1012	1011	1011	3
	25	1017	1018	1018	1015	1016	1015	1014	1014	1013	1015	1017	1017	1016	5
	50	1020	1022	1021	1018	1019	1018	1016	1017	1016	1018	1020	1021	1018	6
	75	1023	1025	1024	1020	1022	1021	1018	1020	1018	1020	1024	1025	1022	7
	95	1028	1029	1028	1024	1025	1025	1021	1024	1021	1023	1029	1030	1026	9
	99	1032	1032	1031	1028	1028	1027	1024	1025	1024	1025	1031	1033	1028	9
	Max.	1034	1036	1033	1031	1029	1027	1027	1025	1025	1025	1031	1033	1036	11
	Range (1 - 99)	25	26	25	21	19	19	15	17	19	18	24	28	21	
24	Min.	998	998	993	1000	1004	994	996	1000	999	996	999	999	993	11
	01	1005	1006	1005	1006	1008	1005	1005	1006	1005	1006	1006	1005	1006	3
	05	1012	1011	1011	1010	1011	1009	1009	1010	1007	1010	1011	1011	1010	3
	25	1018	1017	1016	1015	1014	1013	1013	1014	1011	1014	1016	1016	1015	7
	50	1022	1021	1019	1018	1017	1016	1016	1017	1014	1017	1019	1019	1018	8
	75	1026	1025	1022	1020	1020	1019	1019	1020	1017	1020	1022	1023	1021	9
	95	1031	1030	1027	1024	1024	1023	1022	1024	1021	1023	1027	1028	1025	10
	99	1034	1033	1030	1028	1027	1026	1024	1027	1023	1025	1030	1031	1028	11
	Max.	1034	1033	1033	1032	1028	1027	1024	1029	1023	1026	1030	1032	1034	11
	Range (1 - 99)	29	27	25	22	19	21	19	21	18	19	24	26	22	

Table I-3.--Continued

Sub-region	Percentile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
25															
	Min.	990	987	994	999	1002	997	999	1001	1000	996	996	996	987	15
	01	1002	1001	1002	1003	1008	1008	1008	1007	1006	1005	1002	1003	1005	7
	05	1008	1010	1008	1010	1011	1011	1011	1011	1009	1010	1010	1010	1010	3
	25	1017	1018	1016	1016	1016	1014	1014	1015	1013	1015	1017	1018	1016	5
	50	1022	1022	1020	1020	1020	1016	1016	1017	1016	1018	1021	1022	1018	6
	75	1027	1026	1023	1024	1023	1018	1018	1019	1019	1021	1025	1026	1022	9
	95	1033	1030	1027	1029	1027	1022	1021	1022	1022	1024	1029	1032	1027	12
	99	1036	1033	1031	1032	1030	1025	1023	1025	1024	1026	1032	1036	1029	13
	Max.	1038	1036	1033	1032	1032	1029	1032	1029	1024	1030	1034	1037	1038	14
	Range (1 - 99)	34	32	29	29	22	17	15	18	18	21	30	33	24	
26															
	Min.	992	993	995	996	1004	996	999	1002	1004	988	994	992	988	16
	01	1001	997	1002	1001	1006	1005	1008	1007	1005	1002	1000	1002	1003	11
	05	1007	1007	1009	1008	1010	1009	1011	1010	1009	1009	1007	1009	1009	4
	25	1016	1016	1016	1014	1015	1013	1015	1014	1013	1014	1016	1016	1015	3
	50	1021	1021	1021	1017	1018	1015	1018	1016	1016	1018	1020	1021	1017	6
	75	1026	1025	1025	1020	1021	1018	1021	1018	1019	1022	1024	1025	1022	8
	95	1031	1030	1031	1025	1025	1022	1025	1021	1022	1026	1029	1030	1026	10
	99	1036	1033	1035	1029	1028	1026	1028	1023	1025	1028	1033	1033	1030	13
	Max.	1036	1036	1037	1031	1031	1032	1030	1030	1027	1028	1033	1036	1037	10
	Range (1 - 99)	35	36	33	28	22	21	20	16	20	26	33	31	27	
27															
	Min.	996	994	996	992	998	992	1008	1008	998	987	990	991	987	21
	01	998	995	998	999	1004	1002	1009	1009	1005	995	994	996	1000	15
	05	1005	1003	1006	1008	1010	1010	1011	1012	1009	1009	1003	1002	1007	10
	25	1015	1016	1014	1016	1015	1014	1015	1016	1014	1015	1013	1014	1015	3
	50	1021	1022	1020	1021	1018	1017	1018	1019	1017	1019	1018	1021	1018	5
	75	1027	1028	1024	1025	1021	1020	1021	1021	1020	1022	1022	1025	1023	8
	95	1033	1033	1030	1030	1026	1024	1024	1025	1025	1027	1027	1031	1028	9
	99	1036	1034	1024	1032	1029	1027	1027	1026	1026	1030	1030	1034	1030	10
	Max.	1036	1034	1034	1032	1030	1027	1027	1026	1026	1032	1031	1038	1038	12
	Range (1 - 99)	38	39	36	33	25	25	18	17	21	35	36	38	30	

Table I-3.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
28															
	Min.	986	988	994	994	1003	1002	1008	1008	1004	979	984	984	979	29
	01	993	992	997	1000	1007	1006	1009	1009	1006	988	993	993	999	21
	05	999	1003	1004	1007	1010	1012	1012	1013	1011	1006	1003	997	1006	16
	25	1011	1015	1014	1015	1015	1017	1016	1018	1016	1015	1014	1012	1015	7
	50	1020	1022	1020	1020	1019	1020	1019	1021	1019	1019	1020	1020	1018	3
	75	1027	1030	1025	1025	1023	1023	1021	1023	1021	1022	1026	1026	1024	9
	95	1033	1036	1032	1031	1028	1027	1024	1026	1025	1027	1032	1034	1030	12
	99	1036	1037	1034	1032	1031	1027	1028	1028	1028	1031	1034	1038	1032	11
	Max.	1036	1037	1034	1032	1031	1027	1038	1028	1033	1033	1034	1039	1039	12
	Range (1 - 99)	43	45	37	32	24	21	19	19	22	43	41	45	33	
29															
	Min.	987	985	989	992	1000	998	1007	1004	999	981	990	983	981	26
	01	988	992	994	997	1004	1004	1010	1009	1002	990	991	985	997	25
	05	999	1002	1002	1005	1010	1012	1014	1012	1009	1004	1001	991	1005	23
	25	1010	1013	1011	1013	1017	1017	1019	1018	1015	1015	1013	1009	1014	10
	50	1018	1022	1018	1019	1022	1021	1022	1021	1018	1020	1020	1017	1018	5
	75	1025	1028	1024	1025	1026	1025	1024	1023	1022	1024	1026	1024	1025	6
	95	1033	1033	1032	1031	1031	1030	1027	1027	1027	1031	1033	1032	1031	6
	99	1037	1037	1035	1033	1032	1034	1028	1028	1030	1032	1033	1035	1033	9
	Max.	1038	1037	1035	1033	1032	1034	1028	1028	1030	1032	1033	1036	1038	10
	Range (1 - 99)	49	45	41	36	28	30	18	19	28	42	42	50	36	
30															
	Min.	980	982	986	986	1003	994	1002	1004	995	991	988	968	968	36
	01	986	991	992	992	1004	1004	1006	1005	1000	993	991	979	995	27
	05	995	999	999	1002	1010	1011	1011	1010	1008	1001	998	994	1003	17
	25	1008	1010	1008	1013	1016	1016	1017	1017	1015	1012	1009	1010	1013	9
	50	1018	1018	1015	1019	1021	1020	1021	1021	1019	1018	1017	1017	1017	6
	75	1025	1025	1022	1025	1026	1024	1024	1023	1023	1023	1024	1025	1024	4
	95	1033	1033	1030	1032	1032	1029	1028	1026	1028	1030	1030	1034	1030	7
	99	1037	1037	1035	1036	1034	1030	1030	1028	1031	1034	1034	1038	1034	10
	Max.	1040	1037	1037	1036	1034	1030	1034	1030	1032	1034	1037	1038	1040	10
	Range (1 - 99)	51	46	43	44	30	26	24	23	31	41	43	59	39	

Table I-3.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
31															
	Min.	980	974	984	978	991	984	997	998	988	977	975	974	974	24
	01	988	984	991	996	1001	1001	1005	1006	998	992	987	981	994	25
	05	995	998	999	1004	1006	1008	1011	1010	1006	1002	996	989	1002	22
	25	1007	1010	1010	1014	1013	1015	1016	1016	1013	1013	1009	1007	1012	9
	50	1015	1017	1018	1019	1018	1019	1019	1020	1018	1019	1017	1015	1016	5
	75	1023	1025	1025	1025	1022	1023	1022	1023	1022	1024	1024	1023	1023	3
	95	1033	1033	1033	1031	1028	1028	1026	1027	1027	1030	1031	1032	1030	7
	99	1038	1038	1038	1033	1032	1031	1029	1029	1032	1035	1037	1038	1034	9
	Max.	1041	1041	1039	1033	1035	1031	1034	1030	1037	1038	1041	1042	1042	12
	Range (1 - 99)	50	54	47	37	31	30	24	23	34	43	50	57	40	
32															
	Min.	999	1006	1005	1002	1001	1001	1001	1000	990	999	1002	1004	990	16
	01	1009	1008	1008	1008	1008	1006	1010	1008	1002	1004	1009	1008		8
	05	1011	1010	1010	1010	1010	1009	1013	1011	1006	1008	1011	1013		7
	25	1014	1014	1013	1013	1012	1012	1014	1013	1009	1010	1013	1015		6
	50	1018	1018	1017	1016	1015	1015	1016	1015	1013	1013	1016	1018	1016	5
	75	1021	1021	1019	1018	1017	1016	1017	1017	1015	1015	1018	1020		6
	95	1024	1025	1022	1020	1019	1018	1019	1019	1017	1018	1021	1023		8
	99	1027	1031	1024	1023	1021	1020	1021	1021	1019	1020	1022	1025		12
	Max.	1029	1032	1026	1026	1025	1022	1022	1026	1021	1023	1025	1028	1032	11
	Range (1 - 99)	18	23	16	15	13	14	11	13	17	16	13	17		
33															
	Min.	1008	1004	1003	1005	1006	1006	1010	1007	1002	1005	1006	1006	1002	8
	01	1009	1005	1006	1006	1008	1007	1012	1010	1005	1006	1008	1009		7
	05	1011	1009	1008	1009	1009	1010	1013	1012	1008	1009	1011	1012		5
	25	1015	1013	1012	1012	1012	1012	1014	1014	1011	1012	1014	1015		4
	50	1019	1018	1016	1016	1015	1015	1016	1016	1014	1015	1017	1019	1016	5
	75	1022	1021	1019	1019	1017	1017	1018	1017	1015	1017	1020	1022		7
	95	1026	1024	1023	1022	1020	1019	1020	1018	1017	1020	1023	1025		9
	99	1029	1028	1027	1025	1023	1021	1022	1021	1021	1025	1026	1029		8
	Max.	1031	1030	1028	1026	1025	1023	1023	1023	1025	1027	1028	1031	1031	8
	Range (1 - 99)	20	23	21	19	15	14	10	11	16	19	18	20		

Table I-3.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
34															
	Min.	1005	1005	1003	1004	1005	1005	1009	1006	1002	1003	1005	1007	1002	7
	01	1008	1006	1005	1006	1007	1006	1011	1009	1005	1005	1008	1008		6
	05	1011	1010	1008	1008	1009	1010	1013	1011	1008	1009	1011	1011		5
	25	1015	1014	1012	1012	1012	1012	1015	1013	1011	1012	1014	1015		4
	50	1019	1018	1017	1016	1015	1015	1017	1016	1014	1016	1018	1019	1017	5
	75	1023	1022	1021	1018	1017	1017	1018	1017	1016	1018	1019	1022		7
	95	1028	1026	1025	1021	1020	1019	1020	1019	1018	1021	1021	1026		10
	99	1031	1029	1030	1025	1024	1021	1022	1021	1020	1024	1027	1029		11
	Max.	1033	1030	1032	1026	1025	1022	1025	1023	1021	1027	1029	1032	1033	12
	Range (1 - 99)	23	23	25	19	17	15	11	12	15	19	19	21		
35															
	Min.	1006	1006	1004	1007	1005	1007	1011	1009	1008	1007	1007	1009	1004	7
	01	1009	1007	1005	1008	1006	1008	1012	1010	1009	1008	1008	1010		7
	05	1009	1007	1005	1008	1006	1008	1012	1010	1009	1008	1008	1010		7
	25	1014	1012	1010	1011	1009	1010	1013	1012	1011	1011	1013	1014		5
	50	1020	1018	1016	1014	1013	1013	1015	1014	1013	1015	1018	1018	1016	7
	75	1022	1021	1019	1017	1015	1014	1016	1016	1015	1017	1020	1021		8
	95	1025	1025	1023	1020	1017	1016	1017	1018	1017	1019	1023	1025		9
	99	1026	1028	1027	1021	1019	1018	1018	1019	1018	1020	1024	1030		12
	Max.	1027	1029	1028	1022	1020	1019	1019	1020	1019	1021	1025	1031	1031	12
	Range (1 - 99)	17	21	22	13	13	10	6	9	9	12	16	20		
36															
	Min.	1000	999	998	996	999	1000	1006	1002	994	999	1002	994	994	12
	01	1003	1003	1002	1002	1003	1006	1009	1008	1005	1006	1002	1005		7
	05	1008	1007	1007	1005	1006	1008	1010	1009	1007	1009	1007	1009		5
	25	1013	1012	1011	1009	1009	1010	1012	1011	1010	1012	1012	1013		4
	50	1019	1017	1016	1013	1013	1013	1014	1014	1013	1015	1017	1018	1015	6
	75	1024	1021	1021	1018	1017	1016	1017	1016	1016	1019	1022	1023		8
	95	1030	1025	1027	1023	1022	1019	1020	1019	1020	1024	1028	1029		11
	99	1036	1030	1033	1028	1027	1023	1024	1023	1024	1029	1034	1035		13
	Max.	1040	1041	1038	1031	1030	1023	1024	1023	1024	1033	1040	1038	1041	18
	Range (1 - 99)	33	27	31	26	24	17	15	15	19	23	32	30		

Table I-3.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
37															
	Min.	1008	1003	1007	1003	1002	1006	1008	1009	1003	1004	1007	1008	1002	7
	01	1009	1004	1008	1004	1003	1007	1009	1010	1004	1005	1008	1009		7
	05	1010	1008	1009	1007	1006	1008	1010	1011	1007	1009	1010	1011		5
	25	1014	1012	1011	1010	1009	1010	1012	1012	1009	1011	1013	1014		
	50	1019	1016	1014	1013	1012	1013	1014	1014	1012	1014	1016	1018	1015	7
	75	1022	1019	1018	1016	1015	1014	1014	1015	1014	1016	1019	1018		8
	95	1025	1023	1022	1020	1018	1016	1015	1017	1016	1019	1022	1018		10
	99	1026	1025	1025	1022	1021	1017	1016	1018	1017	1021	1023	1023		10
	Max.	1027	1026	1026	1023	1022	1018	1017	1019	1018	1022	1024	1024	1027	10
	Range (1 - 99)	17	21	17	18	18	10	7	8	13	16	15	14		
38															
	Min.	1009	1004	1004	1002	1002	1003	1008	1008	1005	1004	1002	1009	1002	7
	01	1010	1006	1005	1003	1005	1005	1010	1009	1006	1007	1004	1010		7
	05	1011	1008	1007	1006	1007	1008	1012	1010	1008	1009	1009	1011		6
	25	1014	1011	1010	1009	1010	1010	1013	1012	1010	1011	1012	1014		5
	50	1017	1015	1014	1013	1013	1013	1015	1015	1012	1014	1016	1017	1015	5
	75	1020	1018	1018	1016	1013	1015	1016	1016	1014	1015	1019	1020		7
	95	1024	1021	1022	1019	1018	1017	1018	1018	1016	1017	1022	1023		8
	99	1026	1025	1024	1023	1020	1019	1020	1019	1019	1019	1027	1025		8
	Max.	1027	1026	1025	1024	1021	1020	1021	1020	1021	1021	1028	1027	1028	8
	Range (1 - 99)	16	19	19	20	15	14	10	10	13	12	23	15		
39															
	Min.	961	975	974	979	993	988	994	997	984	988	978	975	961	36
	01	978	983	981	989	995	995	1000	1002	996	994	990	985		24
	05	989	990	991	996	1001	1003	1005	1005	1004	999	996	997		16
	25	1003	1001	1001	1004	1008	1009	1010	1010	1010	1007	1006	1005		9
	50	1012	1012	1012	1015	1015	1015	1015	1016	1017	1016	1016	1013	1015	5
	75	1019	1021	1021	1025	1022	1021	1019	1020	1022	1022	1023	1020		6
	95	1030	1030	1030	1036	1029	1027	1024	1024	1028	1028	1031	1028		12
	99	1038	1037	1034	1036	1031	1028	1028	1027	1032	1033	1037	1033		11
	Max.	1040	1044	1046	1037	1034	1034	1029	1030	1034	1037	1041	1041	1046	17
	Range (1 - 99)	60	54	53	47	36	33	28	25	36	39	47	48		

Table I-3.--Continued

Sub-region	Percentile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
40															
	Min.	965	973	965	978	989	996	998	994	994	983	982	979	965	33
	01	982	983	979	983	996	999	1004	1002	1000	995	990	988		25
	05	991	991	991	994	1001	1004	1009	1008	1006	1002	997	995		18
	25	1002	1001	1002	1004	1009	1011	1013	1012	1012	1009	1006	1004		12
	50	1014	1012	1013	1015	1017	1018	1018	1017	1018	1017	1016	1014	1016	6
	75	1023	1021	1021	1022	1023	1022	1024	1022	1023	1023	1023	1021		3
	95	1032	1030	1029	1030	1029	1027	1030	1027	1028	1030	1030	1029		5
	99	1039	1036	1036	1036	1032	1031	1030	1028	1032	1032	1034	1035		11
	Max.	1045	1046	1044	1041	1037	1034	1033	1032	1039	1039	1038	1049	1049	17
	Range (1 - 99)	57	53	57	53	36	32	26	26	32	37	44	47		
41															
	Min.	977	976	971	986	985	997	996	993	992	988	988	975	971	26
	01	988	987	988	992	997	1001	1003	1003	1002	995	992	990		16
	05	996	995	997	998	1003	1006	1007	1008	1008	1003	1000	997		13
	25	1006	1005	1006	1007	1010	1011	1011	1012	1013	1010	1013	1006		8
	50	1016	1015	1015	1016	1017	1016	1016	1017	1018	1018	1017	1016	1016	3
	75	1024	1023	1023	1023	1022	1021	1020	1020	1023	1024	1024	1023		4
	95	1032	1031	1031	1030	1027	1026	1025	1024	1028	1030	1031	1030		8
	99	1038	1039	1036	1036	1032	1029	1028	1027	1030	1034	1036	1035		12
	Max.	1044	1047	1042	1042	1043	1035	1033	1030	1039	1038	1040	1045	1047	17
	Range (1 - 99)	50	52	48	44	35	28	25	24	28	39	44	45		
42															
	Min.	977	972	981	975	976	993	1001	995	991	988	985	983	972	29
	01	984	987	989	988	998	1000	1006	1005	1001	999	993	992		22
	05	994	993	997	995	1005	1005	1009	1010	1008	1004	1000	998		17
	25	1005	1004	1005	1005	1011	1011	1013	1014	1013	1011	1008	1007		10
	50	1017	1015	1014	1015	1017	1018	1018	1018	1018	1018	1017	1016	1017	4
	75	1023	1022	1021	1022	1021	1021	1022	1021	1022	1023	1024	1022		3
	95	1030	1029	1028	1029	1026	1025	1026	1025	1027	1028	1031	1029		6
	99	1038	1036	1036	1035	1030	1029	1028	1028	1030	1031	1034	1034		10
	Max.	1043	1040	1044	1044	1033	1033	1030	1029	1034	1035	1038	1039	1044	15
	Range (1 - 99)	54	49	47	47	32	29	22	23	29	32	41	42		

Table I-3.--Continued

Sub- region	Per- centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
43															
	Min.	980	976	981	985	993	991	1001	1002	998	992	990	982	976	26
	01	987	982	985	991	1000	992	1004	1005	1000	996	994	991		23
	05	996	997	998	1002	1006	1003	1008	1010	1008	1003	1002	998		14
	25	1006	1006	1007	1009	1011	1010	1012	1013	1013	1010	1009	1007		7
	50	1016	1015	1016	1016	1017	1017	1017	1017	1018	1018	1017	1017	1017	3
	75	1023	1022	1023	1023	1022	1020	1021	1020	1022	1022	1023	1024		4
	95	1031	1030	1031	1030	1027	1024	1026	1024	1026	1028	1030	1032		8
	99	1035	1037	1036	1033	1031	1029	1028	1026	1029	1031	1034	1038		12
	Max.	1040	1039	1038	1035	1036	1034	1029	1030	1033	1036	1037	1040	1040	11
	Range (1 - 99)	48	55	51	42	31	37	24	21	29	35	40	47		
44															
	Min.	980	981	966	985	988	990	997	992	977	988	985	977	966	31
	01	991	990	990	994	1000	1002	1004	1005	1000	998	997	993		15
	05	999	999	998	1000	1005	1007	1009	1009	1007	1003	1003	1000		11
	25	1008	1008	1007	1008	1010	1011	1013	1013	1012	1010	1010	1009		6
	50	1018	1017	1016	1016	1016	1016	1017	1017	1018	1018	1017	1018	1017	2
	75	1025	1024	1022	1023	1021	1020	1021	1020	1022	1023	1023	1024		5
	95	1032	1032	1029	1030	1027	1024	1025	1024	1026	1028	1030	1031		8
	99	1036	1037	1036	1034	1032	1028	1028	1028	1030	1032	1035	1035		9
	Max.	1045	1044	1042	1040	1037	1036	1030	1034	1036	1038	1040	1043	1045	15
	Range (1 - 99)	45	47	46	40	32	26	24	23	30	34	38	42		
45															
	Min.	987	988	986	991	989	1002	1006	1007	1001	990	998	994	986	21
	01	992	990	988	992	1003	1003	1008	1008	1002	1001	998	995		20
	05	1000	998	999	1002	1008	1009	1012	1012	1010	1007	1003	1003		14
	25	1008	1008	1007	1009	1013	1013	1016	1015	1014	1012	1010	1010		9
	50	1017	1018	1016	1017	1018	1018	1020	1019	1019	1017	1017	1017	1018	4
	75	1023	1023	1022	1023	1023	1021	1023	1022	1022	1021	1022	1022		2
	95	1030	1029	1029	1029	1028	1025	1026	1025	1025	1026	1027	1028		5
	99	1035	1030	1036	1032	1030	1029	1028	1028	1031	1027	1031	1037		10
	Max.	1036	1038	1043	1033	1031	1030	1033	1029	1033	1028	1032	1038	1043	15
	Range (1 - 99)	43	40	48	40	27	26	20	20	29	26	33	42		

Table I-3.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
46															
	Min.	980	983	978	992	999	999	1003	1000	995	997	993	986	978	25
	01	990	990	989	997	1002	1003	1006	1007	1003	1002	996	994		18
	05	1000	995	1000	1002	1008	1007	1009	1010	1007	1006	1003	1001		15
	25	1014	1005	1008	1009	1013	1012	1013	1013	1012	1010	1010	1009		9
	50	1018	1016	1017	1017	1018	1018	1018	1017	1018	1017	1018	1018	1018	2
	75	1024	1022	1023	1023	1022	1022	1021	1020	1021	1022	1023	1023		4
	95	1030	1029	1029	1029	1026	1026	1025	1023	1025	1027	1028	1029		7
	99	1035	1033	1035	1033	1029	1029	1027	1026	1029	1030	1032	1037		11
	Max.	1038	1036	1039	1040	1034	1032	1031	1029	1032	1036	1034	1040	1040	11
	Range (1 - 99)	45	43	46	36	27	26	21	19	26	28	36	43		
47															
	Min.	976	983	984	989	998	997	1004	1001	985	996	990	988	976	28
	01	993	991	992	995	1001	1001	1008	1006	1001	1000	998	995		17
	05	1000	1000	1000	1002	1006	1008	1011	1010	1009	1005	1006	1003		11
	25	1009	1008	1008	1009	1011	1012	1014	1013	1013	1011	1012	1011		6
	50	1018	1017	1016	1016	1017	1016	1017	1017	1018	1018	1018	1019	1017	3
	75	1025	1024	1022	1022	1021	1020	1020	1020	1021	1023	1023	1025		5
	95	1032	1031	1028	1028	1026	1024	1024	1023	1025	1028	1028	1031		9
	99	1038	1035	1036	1032	1032	1028	1027	1025	1028	1031	1033	1035		13
	Max.	1044	1040	1042	1037	1036	1030	1032	1032	1031	1036	1035	1042	1044	14
	Range (1 - 99)	45	44	44	37	31	27	19	19	27	31	35	40		
48															
	Min.	985	980	986	992	999	1000	1001	1000	992	997	995	987	980	21
	01	998	996	996	1001	1004	1004	1008	1008	1006	1002	1001	1002		12
	05	1004	1003	1003	1007	1009	1010	1013	1012	1011	1007	1006	1007		10
	25	1011	1011	1010	1013	1013	1014	1016	1015	1014	1012	1012	1013		6
	50	1019	1019	1018	1019	1018	1018	1020	1018	1018	1017	1018	1019	1018	3
	75	1024	1024	1023	1024	1022	1021	1023	1021	1020	1020	1022	1024		4
	95	1030	1029	1029	1029	1026	1024	1026	1024	1023	1024	1027	1029		7
	99	1033	1032	1034	1032	1029	1027	1028	1026	1027	1028	1030	1033		8
	Max.	1041	1037	1039	1036	1035	1033	1034	1034	1030	1032	1035	1037	1041	11
	Range (1 - 99)	35	36	38	31	25	23	20	18	21	26	29	31		

Table I-3.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
49	Min.	991	991	993	992	1000	1002	1005	992	996	990	998	995	990	15
	01	1001	1000	1002	1000	1004	1007	1009	1008	1006	1003	1003	1003		9
	05	1008	1007	1007	1007	1010	1011	1012	1012	1010	1008	1009	1009		5
	25	1014	1012	1012	1013	1014	1014	1015	1015	1013	1012	1013	1014		3
	50	1020	1018	1018	1019	1018	1017	1019	1018	1017	1017	1018	1020	1018	3
	75	1024	1023	1022	1022	1021	1019	1021	1020	1020	1020	1022	1024		5
	95	1029	1028	1027	1026	1024	1022	1023	1022	1024	1023	1026	1028		7
	99	1034	1033	1031	1030	1028	1025	1025	1024	1024	1028	1031	1031		10
	Max.	1039	1037	1036	1031	1030	1030	1030	1027	1030	1030	1033	1035	1039	12
	Range (1 - 99)	33	33	29	30	24	18	16	16	18	25	28	28		
50															
	Min.	1000	1003	998	1000	1005	1005	1008	1002	986	994	1001	1005	986	22
	01	1004	1006	1005	1007	1009	1010	1012	1008	1005	1003	1006	1009		9
	05	1010	1010	1009	1011	1013	1014	1016	1013	1010	1009	1010	1012		7
	25	1015	1014	1014	1015	1016	1016	1018	1016	1013	1012	1013	1015		6
	50	1021	1019	1020	1020	1019	1019	1020	1019	1017	1016	1017	1019	1019	5
	75	1024	1023	1022	1022	1021	1021	1022	1020	1019	1018	1020	1022		6
	95	1027	1027	1025	1025	1024	1023	1024	1022	1021	1021	1023	1025		6
	99	1029	1030	1028	1028	1026	1026	1026	1024	1023	1024	1025	1027		7
	Max.	1031	1033	1031	1031	1032	1032	1028	1026	1028	1027	1029	1029	1033	7
	Range (1 - 99)	25	24	23	21	17	16	14	16	18	21	19	18		
51															
	Min.	998	1001	1000	999	1002	999	999	1000	997	993	999	1001	993	9
	01	1003	1004	1004	1004	1006	1008	1010	1008	1007	1004	1006	1006		7
	05	1010	1010	1009	1010	1011	1011	1013	1012	1010	1009	1010	1012		4
	25	1015	1014	1014	1014	1014	1014	1016	1014	1014	1012	1014	1016		4
	50	1021	1019	1019	1019	1018	1017	1019	1017	1016	1015	1018	1020	1018	6
	75	1024	1023	1022	1022	1020	1019	1020	1019	1018	1018	1021	1022		6
	95	1027	1027	1026	1025	1023	1022	1022	1021	1020	1022	1024	1025		7
	99	1031	1031	1030	1028	1026	1024	1025	1023	1022	1025	1028	1029		9
	Max.	1037	1035	1033	1032	1029	1028	1029	1025	1026	1029	1032	1032	1037	12
	Range (1 - 99)	28	27	26	24	20	16	15	15	15	21	22	23		

Table I-3.--Continued

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
52															
	Min.	1006	1006	1006	1005	1003	1005	1009	1006	1000	1000	987	1006	987	22
	01	1010	1010	1009	1009	1008	1010	1012	1009	1008	1006	1006	1010		6
	05	1013	1012	1012	1012	1012	1012	1015	1012	1011	1009	1010	1013		6
	25	1016	1015	1015	1014	1014	1014	1016	1014	1013	1011	1013	1015		5
	50	1019	1018	1018	1017	1016	1017	1018	1017	1015	1014	1016	1017	1017	5
	75	1021	1020	1020	1019	1018	1018	1019	1018	1016	1016	1018	1019		5
	95	1023	1023	1022	1022	1020	1020	1021	1020	1018	1018	1020	1022		5
	99	1026	1025	1025	1024	1024	1022	1024	1021	1020	1020	1022	1024		6
	Max.	1029	1028	1028	1027	1030	1026	1027	1025	1026	1024	1027	1027	1030	6
	Range (1 - 99)	16	15	16	15	16	12	12	12	12	14	16	14		
53															
	Min.	974	978	983	984	991	1001	989	999	990	980	985	973	973	28
	01	982	981	989	985	997	1002	1001	1005	994	985	986	979		26
	05	990	991	995	999	1004	1008	1010	1010	1002	991	993	989		21
	25	1000	1002	1005	1007	1011	1013	1015	1014	1010	1002	1002	1001		15
	50	1011	1013	1016	1016	1019	1019	1021	1019	1018	1013	1012	1013	1016	9
	75	1021	1021	1023	1022	1024	1023	1024	1022	1022	1020	1020	1021		4
	95	1031	1030	1030	1029	1029	1028	1028	1026	1027	1027	1029	1030		5
	99	1036	1037	1032	1033	1033	1032	1030	1032	1035	1031	1033	1033		7
	Max.	1039	1041	1036	1034	1034	1033	1031	1033	1036	1032	1034	1035	1041	10
	Range (1 - 99)	54	56	43	48	36	30	29	27	41	46	47	54		
54															
	Min.	969	976	974	974	988	987	1000	1002	982	967	977	975	967	35
	01	978	979	983	985	997	999	1003	1004	988	980	982	979		26
	05	989	991	992	998	1002	1004	1010	1008	997	990	991	987		21
	25	999	1001	1003	1007	1010	1011	1016	1013	1006	1001	1000	999		17
	50	1010	1012	1014	1016	1019	1019	1022	1019	1016	1012	1010	1011	1015	12
	75	1020	1022	1023	1023	1024	1023	1025	1023	1022	1020	1019	1021		6
	95	1031	1032	1032	1030	1029	1028	1029	1028	1029	1029	1029	1031		4
	99	1038	1038	1036	1034	1032	1032	1031	1031	1032	1031	1033	1037		7
	Max.	1041	1044	1040	1036	1034	1037	1034	1034	1036	1036	1038	1040	1044	10
	Range (1 - 99)	60	59	53	49	35	33	28	27	44	51	51	58		

Table I-3.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
55															
	Min.	975	987	990	1000	998	1005	1010	1001	992	993	987	977	975	35
	01	976	990	991	1001	1000	1007	1011	1002	993	996	989	978		35
	05	997	997	997	1006	1008	1010	1013	1008	1006	1002	1000	995		18
	25	1005	1007	1006	1012	1013	1015	1017	1014	1013	1010	1009	1005		12
	50	1013	1017	1015	1019	1019	1020	1022	1020	1020	1018	1018	1015	1018	9
	75	1022	1026	1022	1024	1023	1023	1024	1022	1022	1023	1024	1021		5
	95	1031	1033	1029	1029	1027	1026	1026	1024	1024	1029	1031	1028		9
	99	1038	1041	1031	1031	1030	1027	1029	1029	1030	1032	1035	1035		14
	Max.	1039	1042	1034	1032	1031	1031	1030	1030	1031	1033	1036	1036	1042	12
	Range (1 - 99)	62	51	40	30	30	20	18	27	37	36	46	57		
56															
	Min.	985	977	984	976	993	1009	1002	995	989	991	995	984	976	33
	01	986	978	985	977	994	1010	1003	996	990	997	996	989		33
	05	988	986	993	990	1002	1011	1011	1011	1001	1003	1000	994		25
	25	998	998	1004	1003	1011	1015	1017	1015	1009	1008	1006	1003		19
	50	1008	1010	1015	1017	1020	1020	1023	1019	1017	1014	1012	1013	1016	15
	75	1019	1020	1021	1022	1023	1023	1025	1023	1021	1021	1021	1020		6
	95	1030	1031	1028	1028	1027	1027	1028	1027	1026	1028	1030	1027		5
	99	1038	1040	1033	1031	1031	1029	1029	1029	1030	1029	1032	1029		11
	Max.	1039	1041	1034	1032	1032	1030	1030	1031	1032	1030	1034	1031	1041	11
	Range (1 - 99)	52	62	48	54	37	19	26	33	40	32	36	40		
57															
	Min.	993	975	989	996	1000	1004	1010	1005	1003	979	989	990	975	35
	01	995	980	993	998	1002	1005	1011	1006	1004	983	992	991		31
	05	999	999	999	1006	1006	1010	1013	1011	1008	1000	1002	998		14
	25	1007	1008	1008	1013	1012	1015	1017	1016	1014	1009	1010	1008		10
	50	1015	1018	1018	1020	1019	1020	1022	1021	1020	1019	1019	1019	1019	7
	75	1022	1024	1024	1025	1023	1023	1025	1023	1023	1024	1024	1025		3
	95	1030	1031	1030	1031	1027	1027	1028	1026	1027	1030	1030	1032		5
	99	1032	1038	1034	1037	1030	1032	1030	1029	1031	1032	1032	1036		9
	Max.	1037	1039	1036	1039	1035	1037	1031	1030	1032	1033	1035	1037	1039	9
	Range (1 - 99)	37	58	41	39	28	27	19	23	27	49	40	45		

Table I-3.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
58															
	Min.	987	980	1000	991	998	1005	1005	1009	985	993	994	986	985	24
	01	988	981	1001	994	1001	1006	1009	1011	989	994	995	987		30
	05	993	998	1004	1002	1007	1010	1014	1013	1007	998	1000	996		21
	25	1003	1008	1011	1011	1013	1016	1019	1017	1014	1008	1009	1007		16
	50	1013	1018	1018	1021	1020	1022	1024	1022	1021	1019	1018	1018	1020	11
	75	1022	1026	1026	1026	1025	1027	1027	1025	1025	1023	1023	1024		5
	95	1032	1034	1034	1031	1031	1032	1030	1029	1029	1028	1029	1030		6
	99	1033	1037	1037	1034	1032	1035	1031	1031	1030	1033	1036	1034		7
	Max.	1034	1038	1038	1036	1033	1037	1032	1033	1032	1034	1037	1035	1038	6
	Range (1 - 99)	45	56	36	40	31	29	22	20	41	39	41	47		
59															
	Min.	995	989	995	986	1002	1007	1006	1011	1009	995	1000	997	986	25
	01	996	990	996	987	1003	1008	1010	1012	1010	996	1001	998		25
	05	999	996	1000	1009	1011	1012	1016	1014	1011	1006	1004	1002		20
	25	1008	1007	1010	1015	1015	1015	1018	1017	1014	1012	1011	1011		11
	50	1017	1018	1020	1022	1020	1018	1020	1020	1017	1018	1019	1020	1019	5
	75	1024	1024	1024	1026	1023	1021	1022	1022	1020	1022	1024	1026		6
	95	1031	1030	1028	1030	1026	1025	1024	1024	1023	1026	1029	1032		9
	99	1034	1034	1030	1031	1029	1028	1032	1025	1024	1028	1031	1033		10
	Max.	1035	1035	1031	1032	1030	1029	1034	1027	1025	1029	1032	1034	1035	10
	Range (1 - 99)	38	44	34	44	26	20	22	13	14	32	30	35		
60															
	Min.	985	984	996	997	995	999	999	1007	1005	1000	979	980	979	28
	01	986	985	997	998	1001	1002	1011	1013	1006	1001	981	981		32
	05	1000	995	1005	1005	1007	1015	1014	1016	1011	1004	1006	996		21
	25	1009	1008	1012	1014	1014	1018	1018	1018	1015	1011	1013	1007		11
	50	1018	1021	1020	1023	1022	1022	1022	1021	1020	1019	1020	1019	1021	5
	75	1025	1028	1026	1028	1026	1026	1026	1024	1024	1024	1025	1024		4
	95	1032	1036	1033	1034	1031	1031	1030	1027	1028	1029	1030	1030		9
	99	1036	1040	1035	1036	1033	1033	1031	1031	1032	1033	1035	1035		9
	Max.	1037	1041	1036	1037	1034	1036	1032	1033	1033	1034	1036	1036	1041	9
	Range (1 - 99)	50	55	38	38	32	31	20	18	26	32	54	54		

Table I-3.—Concluded

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
61	Min.	996	985	995	996	1001	1009	1009	1010	1000	1000	993	993	985	25
	01	998	999	999	1001	1006	1011	1012	1011	1008	1005	1002	1001		14
	05	1005	1006	1005	1012	1011	1013	1015	1014	1011	1009	1008	1004		11
	25	1013	1014	1013	1017	1016	1016	1017	1017	1014	1014	1014	1012		5
	50	1021	1022	1021	1022	1021	1019	1020	1020	1018	1019	1021	1020	1020	4
	75	1026	1027	1025	1025	1024	1022	1022	1022	1020	1022	1024	1025		7
	95	1031	1032	1030	1028	1027	1025	1024	1024	1023	1026	1028	1030		9
	99	1034	1034	1033	1032	1031	1028	1027	1026	1026	1028	1031	1034		8
	Max.	1036	1037	1036	1034	1036	1030	1030	1028	1030	1034	1033	1036	1037	9
	Range (1 - 99)	36	35	34	31	25	17	15	15	18	23	29	33		
62	Min.	996	986	998	1005	998	1011	1011	1012	1008	1005	1000	991	986	26
	01	1000	996	1003	1007	1006	1012	1013	1013	1009	1007	1004	1004		17
	05	1009	1007	1009	1011	1012	1014	1015	1015	1011	1012	1011	1009		8
	25	1015	1014	1015	1016	1016	1017	1017	1017	1014	1016	1016	1015		3
	50	1022	1022	1022	1022	1021	1020	1020	1019	1017	1020	1021	1022	1021	5
	75	1026	1026	1025	1025	1024	1022	1022	1021	1019	1022	1024	1025		7
	95	1030	1031	1029	1028	1028	1025	1024	1023	1022	1025	1027	1029		9
	99	1034	1033	1033	1032	1031	1030	1027	1026	1026	1030	1030	1033		8
	Max.	1036	1034	1037	1034	1033	1031	1029	1029	1027	1031	1032	1036	1037	10
	Range (1 - 99)	34	37	30	25	25	18	14	13	17	23	26	29		

e. Surface wind speeds

Table I-4.--Percentiles of all surface wind speeds (kt) in TDF-11 by months by subregion

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
01															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	2	1	0	0	0	0	0	0	0	0	0	0	0	2
	05	6	5	5	4	2	2	3	3	3	4	4	4	4	4
	25	12	13	13	9	8	7	6	6	7	9	9	11	8	7
	50	20	21	20	17	14	13	11	12	14	16	18	20	16	10
	75	28	28	28	21	19	17	17	17	18	20	25	28	20	11
	95	36	37	38	34	29	28	25	25	30	30	33	38	33	13
	99	45	47	47	47	40	33	31	31	38	44	46	47	46	16
	Max.	48+	48+	48+	48+	47	48+	48+	48+	48+	48+	48+	48+	48+	1+
	Range (1 - 99)	43	46	47	47	40	33	31	31	38	44	46	47	46	
02															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	1	0	0	0	0	0	0	0	0	0	1
	05	3	3	4	3	2	2	2	2	2	2	2	3	2	2
	25	8	8	8	6	6	6	4	4	7	6	7	9	6	5
	50	15	16	15	14	11	10	10	9	11	13	14	15	13	7
	75	21	21	21	19	17	13	13	13	17	16	17	21	18	8
	95	35	33	32	31	21	20	20	19	31	28	30	31	29	16
	99	44	46	45	40	28	30	29	28	44	32	43	44	40	18
	Max.	48+	48+	48+	48+	47	47	48+	47	48+	48+	48+	48+	48+	1+
	Range (1 - 99)	43	45	45	39	28	30	29	28	44	32	43	44	40	
03															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	05	2	2	1	1	2	2	2	3	1	1	2	3	2	2
	25	7	6	7	5	6	6	5	5	5	6	6	6	6	2
	50	12	11	12	12	10	10	11	10	9	9	12	12	11	3
	75	17	16	16	17	17	13	16	14	14	15	17	17	17	4
	95	26	25	25	25	21	20	22	20	18	19	24	25	22	8
	99	33	32	32	32	29	28	31	30	29	30	31	32	30	5
	Max.	48+	48+	48+	48+	47	48+	48+	47	47	47	47	48+	48+	1+
	Range (1 - 99)	31	30	31	31	27	26	29	27	28	29	29	29	28	

Table I-4.—Continued

Sub-region	Percentile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
04															
	Min.	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	01	1	1	0	1	0	0	0	0	0	0	0	0	0	1
	05	3	4	3	3	2	1	2	3	2	3	4	3	3	3
	25	11	12	9	7	7	6	5	5	7	7	8	11	6	7
	50	19	18	17	14	12	11	10	11	12	14	17	18	14	9
	75	24	25	25	18	18	17	15	16	17	17	21	24	19	10
	95	33	34	33	31	25	24	20	21	28	29	33	38	29	18
	99	46	47	45	50	32	30	29	31	33	41	47	47	45	18
	Max.	48+	48+	48+	48+	47	47	47	48+	48+	48+	48+	48+	48+	1+
	Range (1 - 99)	45	46	45	39	32	30	29	31	33	41	47	47	45	
05															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	1	0	0	0	0	0	0	0	0	0	1
	05	3	4	3	3	2	1	1	3	2	2	3	4	2	3
	25	10	10	8	6	6	6	5	5	6	6	8	9	7	5
	50	17	17	16	13	11	10	9	10	12	14	15	17	13	8
	75	24	25	21	19	18	15	13	14	17	18	20	22	18	12
	95	33	33	32	31	24	22	20	21	28	30	30	33	30	13
	99	46	46	44	40	32	30	29	31	37	42	45	47	41	18
	Max.	48+	48+	48+	48+	48+	48+	47	48+	48+	48+	48+	48+	48+	1+
	Range (1 - 99)	43	42	41	37	30]	29	28	28	35	40	42	43	39	
06															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	0	0	0	0	0	0	0	0	0	0	1
	05	3	3	2	3	2	1	1	2	2	2	3	4	2	3
	25	8	8	7	6	6	6	5	4	6	6	8	9	7	5
	50	15	15	14	13	10	10	9	9	11	12	15	15	12	8
	75	19	20	19	18	16	14	13	13	16	17	18	20	18	7
	95	32	31	32	31	21	20	20	20	23	28	28	30	28	12
	99	46	43	46	40	32	28	31	30	32	42	43	44	42	18
	Max.	48+	48+	48+	48+	47	33	47	48+	48+	48+	48+	48+	48+	15+
	Range (1 - 99)	45	42	46	40	32	28	31	30	32	42	43	44	42	

Table I-4.--Continued

Sub-region	Per-centile	Month J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
07	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	0	0	0	0	0	0	0	0	0	0	1
	05	3	3	3	3	2	2	2	3	2	3	3	4	2	2
	25	8	9	8	6	6	6	5	5	6	7	8	9	6	4
	50	17	16	15	13	11	10	11	11	12	14	15	16	13	7
	75	21	20	19	18	16	15	15	13	17	17	19	21	18	8
	95	33	33	31	30	21	21	21	21	24	29	29	29	28	12
	99	46	45	45	40	31	30	30	31	33	41	43	44	42	15
	Max.	48+	48+	48+	48+	48+	48+	48+	48+	48+	48+	48+	48+	48+	0
	Range (1 - 99)	45	44	45	40	31	30	30	31	33	41	43	44	42	
08															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	0	0	0	0	0	0	0	0	0	0	1
	05	3	2	3	3	2	2	3	3	2	3	3	4	2	2
	25	8	9	8	7	7	6	5	6	7	7	8	7	7	4
	50	16	16	15	14	12	11	11	11	12	14	15	15	13	7
	75	21	20	19	19	17	16	16	16	16	18	19	20	18	5
	95	32	31	32	31	24	24	21	21	26	29	30	29	28	11
	99	45	46	45	40	31	31	30	31	36	41	43	44	43	16
	Max.	48+	48+	48+	48+	48+	48+	47+	48+	48+	48+	48+	48+	48+	1+
	Range (1 - 99)	44	45	45	40	31	31	30	31	36	41	43	44	43	
09															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	2	1	0	1	0	0	0	0	0	0	0	0	0	2
	05	3	4	5	4	3	2	3	3	2	4	4	4	4	3
	25	10	12	10	9	8	7	6	6	7	8	8	9	8	6
	50	18	18	17	16	14	13	12	12	13	15	16	17	15	6
	75	25	24	24	20	18	17	17	16	16	19	19	21	19	9
	95	35	33	33	32	25	27	24	21	28	29	30	30	29	14
	99	46	47	45	43	31	33	31	31	40	43	45	44	44	16
	Max.	48+	48+	48+	48+	47	48+	48+	48+	48+	48+	48+	48+	48+	1+
	Range (1 - 99)	44	46	45	42	31	33	31	31	40	43	45	44	44	

Table I-4.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
10															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	2	1	0	1	0	0	0	0	0	0	0	0	0	2
	05	3	4	4	4	3	3	3	3	3	4	4	4	4	1
	25	10	11	8	9	7	7	6	6	8	8	9	9	8	5
	50	17	18	17	15	13	13	12	12	14	16	16	16	15	6
	75	22	24	20	20	18	17	17	16	17	19	19	21	19	8
	95	33	33	32	32	25	24	23	21	26	30	30	30	30	12
	99	45	47	45	41	33	32	31	31	35	44	45	44	41	16
	Max.	48+	48+	48+	48+	48+	48+	48+	48+	48+	48+	48+	48+	48+	0
	Range (1 - 99)	43	46	45	40	33	32	31	31	35	44	45	44	41	
11															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	2	1	0	1	0	0	0	0	0	0	0	0	0	2
	05	3	4	4	4	3	2	3	3	3	4	4	4	3	2
	25	8	9	8	7	7	6	5	5	7	8	8	7	8	4
	50	16	16	16	14	12	11	11	11	13	15	15	15	14	5
	75	21	20	20	18	17	16	15	14	16	19	19	20	18	7
	95	32	30	32	30	26	22	21	21	26	28	28	26	30	11
	99	45	43	43	40	31	32	27	30	38	44	40	40	41	18
	Max.	48+	48+	48+	48+	48+	48+	48+	48+	48+	48+	48+	48+	48+	0
	Range (1 - 99)	43	42	43	39	31	32	27	30	38	44	40	40	41	
12															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	1	0	0	0	0	0	0	0	0	0	1
	05	3	3	3	4	2	2	3	2	2	3	3	4	2	2
	25	8	7	7	6	6	6	6	4	6	7	8	7	6	4
	50	14	14	13	13	11	10	9	9	11	13	14	14	12	5
	75	17	18	17	18	16	14	13	13	16	17	18	19	16	6
	95	28	29	26	26	19	20	20	18	21	29	24	28	24	11
	99	35	41	32	32	30	28	31	28	32	36	31	40	32	13
	Max.	48+	48+	48+	48+	48+	48+	48+	47+	48+	48+	48+	48+	48+	1+
	Range (1 - 99)	34	40	32	31	30	28	31	28	32	36	31	40	32	

Table I-4.--Continued

Sub-region	Percentile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
13															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	1	0	0	0	0	0	0	0	0	0	1
	05	3	3	3	3	2	2	2	2	2	3	3	4	2	2
	25	7	8	7	6	6	6	4	4	6	6	7	9	6	5
	50	13	12	12	12	10	10	9	9	10	12	13	13	11	4
	75	17	17	17	17	15	13	13	12	14	17	17	18	16	6
	95	25	24	23	24	19	20	21	16	19	27	24	24	21	8
	99	32	31	31	31	27	29	28	28	29	32	31	32	31	5
	Max.	48+	47	48+	48+	33	48+	48+	48+	48+	48+	48+	48+	48+	15+
	Range (1 - 99)	31	30	31	30	27	29	28	28	29	32	31	32	31	
14															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	1	0	0	0	0	0	0	0	0	0	1
	05	3	3	2	3	1	1	2	2	2	3	4	4	2	3
	25	7	7	7	6	6	5	4	4	6	7	7	7	6	3
	50	13	12	12	11	10	9	8	8	10	12	13	13	11	5
	75	17	16	17	15	14	10	10	10	14	17	17	17	15	7
	95	27	24	24	21	19	19	19	15	18	24	24	24	21	12
	99	38	31	31	32	27	26	21	28	30	31	31	31	30	19
	Max.	48+	47	47	33	48+	47	33	33	47	48+	47	47	48+	15+
	Range (1 - 99)	37	30	31	31	27	26	21	28	30	31	31	31	30	
15															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	1	0	0	0	0	0	0	0	0	0	1
	05	3	3	2	3	1	1	2	1	2	2	4	3	2	3
	25	7	8	6	6	5	4	4	4	6	7	7	6	6	4
	50	13	14	12	11	9	9	8	8	12	12	13	13	11	6
	75	18	17	17	15	13	13	10	10	16	17	17	19	15	9
	95	28	29	25	21	18	20	19	15	27	23	23	24	21	14
	99	38	41	33	31	25	24	21	28	40	31	38	32	32	22
	Max.	48+	48+	47	33	33	33	33	47	47	47	48+	47	48+	15+
	Range (1 - 99)	37	40	33	30	25	24	21	28	40	31	38	32	32	

Table I-4.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
16															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	1	0	0	0	0	0	0	0	0	0	1
	05	3	3	3	3	2	1	2	2	2	3	3	4	2	3
	25	8	9	7	6	6	4	4	5	6	7	7	7	6	5
	50	14	14	13	12	10	9	8	8	12	12	13	14	12	6
	75	17	19	17	17	15	13	10	11	18	18	17	19	17	9
	95	30	29	26	24	19	20	20	17	24	24	25	24	23	13
	99	45	41	31	31	27	28	22	28	33	31	33	33	32	23
	Max.	48+	48+	48+	47	48+	47	48+	48+	47	47	48+	48+	48+	1+
	Range (1 - 99)	44	40	31	30	27	28	22	28	33	31	33	33	32	
17															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	1	0	0	0	0	0	0	0	0	0	1
	05	3	3	3	4	2	1	2	2	2	3	3	4	2	3
	25	8	9	7	6	6	5	4	4	6	7	7	6	6	5
	50	14	14	14	13	11	9	8	9	12	13	14	14	12	6
	75	17	19	17	17	15	13	10	11	17	18	17	18	17	9
	95	30	26	30	24	19	20	20	13	22	24	25	27	24	17
	99	36	40	33	32	29	28	21	28	33	32	33	33	32	19
	Max.	48+	48+	48+	48+	47	48+	47	48+	48+	48+	48+	48+	48+	1+
	Range (1 - 99)	35	39	33	31	29	28	21	28	33	32	33	33	32	
18															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	0	0	0	0	0	0	0	0	0	0	1
	05	3	3	3	3	2	2	2	2	2	2	3	3	2	1
	25	8	7	7	6	6	6	4	4	6	6	7	6	6	4
	50	13	13	13	12	11	10	9	9	12	12	14	14	12	5
	75	18	19	17	17	15	14	12	11	16	17	17	18	17	8
	95	30	27	30	24	19	20	20	16	21	23	27	27	24	10
	99	45	41	32	31	29	28	28	28	35	32	33	33	32	17
	Max.	48+	48+	48+	47	47	48+	48+	47	48+	48+	48+	48+	48+	1+
	Range (1 - 99)	44	40	32	31	29	28	28	28	35	32	33	33	32	

Table I-4.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
19															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	0	0	0	0	0	0	0	0	0	0	1
	05	3	3	3	3	3	3	3	3	2	3	3	4	3	2
	25	8	8	8	6	7	7	5	5	6	6	7	9	7	4
	50	14	14	14	14	12	12	10	10	12	13	15	15	13	5
	75	17	19	17	18	17	16	15	14	16	18	18	20	18	6
	95	30	29	31	28	21	22	21	16	21	24	28	28	26	15
	99	38	40	33	32	30	30	28	28	31	33	37	40	32	12
	Max.	47	48+	47	48+	48+	47	33	47	48+	48+	48+	48+	48+	15+
	Range (1 - 99)	37	39	33	32	30	30	28	28	31	33	37	40	32	
20															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	0	1	0	0	0	0	0	0	0	0	1
	05	3	3	2	3	3	3	3	3	2	2	2	2	2	1
	25	6	7	7	6	7	7	5	5	6	6	7	5	6	2
	50	10	11	12	12	13	12	11	10	11	11	10	11	11	3
	75	15	16	17	17	17	17	15	15	16	16	16	16	17	2
	95	20	21	25	23	21	22	21	17	19	18	18	21	21	8
	99	31	30	31	31	31	30	30	28	29	30	30	32	30	4
	Max.	48+	47	48+	47	48+	33	47	33	48+	47	48+	47	48+	15+
	Range (1 - 99)	30	29	31	31	30	30	30	28	29	30	30	32	30	
21															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	1	0	2	1	1	0	0	0	0	0	0	2
	05	3	3	5	4	4	4	3	4	3	2	2	4	3	3
	25	7	7	7	9	8	7	7	6	6	6	6	6	6	3
	50	12	12	13	14	14	13	12	12	12	12	11	12	13	3
	75	18	16	17	18	19	16	16	16	16	17	16	16	18	3
	95	27	25	25	28	24	25	22	18	21	21	21	24	24	10
	99	32	32	32	32	31	31	31	28	31	31	31	32	31	4
	Max.	47	47	47	33	47	33	33	47	33	47	47	33	47	14
	Range (1 - 99)	31	31	31	32	29	30	30	28	31	31	31	32	31	

Table I-4.--Continued

Sub-region	Percentile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
		Month													
22															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	05	3	1	1	2	2	2	2	2	2	1	1	2	1	2
	25	6	6	6	5	6	6	5	5	6	6	5	4	6	2
	50	9	10	11	11	10	10	10	9	10	9	9	9	10	2
	75	16	15	17	16	15	15	13	13	15	15	15	13	15	4
	95	21	21	28	24	21	21	21	17	21	17	19	21	21	11
	99	31	31	31	31	31	30	28	28	29	27	32	31	31	5
	Max.	48+	48+	47	47	48+	47	48+	48+	48+	48+	47	47	48+	1+
	Range (1 - 99)	30	31	31	31	31	30	28	28	29	27	32	31	31	
23															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	0	1	0	0	0	0	0	0	0	0	1
	05	3	3	2	4	4	4	3	4	3	3	2	3	3	2
	25	8	8	8	9	10	9	9	8	7	7	6	6	8	4
	50	13	14	15	16	16	16	14	14	14	13	13	13	14	3
	75	17	18	20	20	19	18	19	18	17	17	16	17	18	4
	95	28	25	31	32	31	31	30	25	26	28	26	28	29	7
	99	33	40	33	40	36	33	32	32	30	33	32	33	32	10
	Max.	47	47	47	48+	48+	48+	48+	47	47	48+	47	47	48+	1+
	Range (1 - 99)	32	39	33	40	35	33	32	32	30	33	32	33	32	
24															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	2	1	1	1	1	1	2	2	1	1	0	2	1	2
	25	6	6	6	5	6	7	5	5	5	5	4	4	5	3
	50	10	11	12	12	12	13	11	11	10	10	10	10	11	3
	75	17	16	17	17	18	17	17	17	16	16	15	15	17	3
	95	24	25	27	29	28	30	29	24	21	22	23	25	28	9
	99	31	31	33	40	32	33	32	32	30	32	32	31	32	10
	Max.	48+	48+	47	48+	48+	48+	48+	48+	48+	48+	47	47	48+	1+
	Range (1 - 99)	31	31	33	40	32	33	32	32	30	32	32	31	32	

Table I-4.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
25															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	2	2	2	4	3	3	3	3	2	2	2	3	2	2
	25	7	6	8	9	8	9	9	9	6	6	6	6	7	3
	50	13	13	15	16	16	16	15	15	13	13	13	13	14	3
	75	18	19	19	20	21	22	20	19	17	18	16	19	19	6
	95	30	31	30	32	30	32	31	30	27	27	28	29	30	5
	99	36	43	38	41	43	40	33	33	33	41	36	40	39	10
	Max.	48+	48+	48+	47	48+	48+	47	47	48+	48+	47	48+	48+	1+
	Range (1 - 99)	36	43	38	41	43	40	33	33	33	41	36	40	39	
26															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	05	3	2	2	2	3	3	4	4	2	2	2	2	2	2
	25	7	6	6	6	7	10	10	9	6	7	6	6	8	4
	50	14	13	14	15	17	18	17	16	13	13	13	13	15	5
	75	19	18	18	20	23	24	22	21	17	17	17	19	19	7
	95	31	31	31	33	33	34	33	30	27	28	28	28	30	7
	99	45	42	42	43	44	44	40	40	39	41	43	40	44	6
	Max.	48+	48+	48+	48+	48+	48+	48+	47	48+	48+	48+	48+	48+	1+
	Range (1 - 99)	44	42	42	43	44	44	40	40	39	41	43	40	44	
27															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	05	3	2	3	3	3	3	3	3	2	2	2	3	2	1
	25	8	8	8	6	8	9	10	7	7	6	6	8	7	4
	50	17	15	15	15	16	16	16	15	14	14	14	16	15	3
	75	23	20	20	21	21	21	22	21	20	19	19	21	20	4
	95	33	31	32	33	30	33	33	30	31	30	30	32	30	3
	99	46	43	43	44	31	43	40	40	44	45	43	47	43	16
	Max.	48+	48+	48+	48+	48+	47	48+	48+	47	48+	47	48+	48+	1+
	Range (1 - 99)	45	43	43	44	31	43	40	40	44	45	43	47	43	

Table I-4.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
28															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	0	0	0	0	0	0	0	0	0	0	1
	05	3	3	2	3	3	2	3	2	2	2	3	4	2	2
	25	8	8	8	6	8	8	9	6	6	6	8	10	7	4
	50	17	15	15	14	15	15	15	12	12	13	16	16	15	5
	75	21	20	20	19	20	20	20	17	17	17	20	21	20	4
	95	35	33	32	31	29	33	33	28	27	29	33	32	30	8
	99	44	44	42	41	37	42	44	40	41	46	45	47	44	10
	Max.	48+	48+	48+	47	47	47	47	47	47	48+	48+	48+	48+	1+
	Range (1 - 99)	43	43	42	41	37	42	44	40	41	46	45	47	44	
29															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	0	0	0	0	0	0	0	0	1	0	1
	05	3	3	2	3	2	2	3	2	2	2	3	4	2	2
	25	7	8	8	6	7	7	6	5	6	6	7	7	7	3
	50	17	15	15	13	12	12	13	11	11	13	15	17	14	6
	75	21	21	20	18	17	17	19	16	17	17	20	21	18	5
	95	35	30	33	29	25	27	28	25	25	29	31	38	29	13
	99	46	41	42	41	32	31	40	32	30	45	46	48	44	18
	Max.	48+	48+	47	47	47	47	48+	33	47	48+	48+	48+	48+	15+
	Range (1 - 99)	45	40	42	41	32	31	40	32	30	45	46	47	44	
30															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	1	0	0	0	0	0	0	0	0	0	0	0	1
	05	3	2	0	3	2	2	2	2	1	2	2	3	2	3
	25	8	8	6	6	6	6	5	5	6	6	7	7	6	3
	50	17	15	14	13	11	11	11	10	11	13	15	16	13	7
	75	21	21	20	18	16	17	16	16	17	18	20	22	17	6
	95	37	33	32	32	21	25	23	21	24	30	33	36	30	16
	99	45	45	42	44	31	31	31	31	31	45	46	47	42	16
	Max.	48+	48+	48+	48+	47	47	33	33	48+	48+	48+	48+	48+	15+
	Range (1 - 99)	44	44	42	44	31	31	31	31	31	45	46	47	42	

Table I-4.--Continued

Sub-region	Percentile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
31															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	2	2	1	1	2	0	1	1	0	1	2	2	1	2
	25	8	7	6	5	6	4	5	4	4	5	6	5	6	4
	50	14	14	13	11	11	10	11	10	10	11	13	14	12	4
	75	21	19	18	16	17	14	16	14	17	17	18	20	18	7
	95	32	33	31	29	29	24	27	21	28	30	30	30	29	12
	99	45	43	42	40	36	31	32	31	33	43	45	44	41	14
	Max.	48+	48+	48+	47	47	47	47	47	48+	48+	48+	48+	48+	1+
	Range (1 - 99)	45	43	42	40	36	31	32	31	33	43	45	44	41	
32															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	3	3	2	4	3	2	2	1	2	3	4	3		3
	25	7	7	7	8	6	6	5	4	7	8	8	8		4
	50	12	11	12	12	10	10	9	8	10	13	13	13	11	5
	75	18	16	17	17	14	15	13	13	16	20	18	18		7
	95	24	21	22	22	19	20	17	17	23	27	25	23		10
	99	31	28	30	30	24	40	24	19	38	32	37	30		19
	Max.	44	40	40	35	30	52	28	24	68	45	45	40	68	44
	Range (1 - 99)	31	28	30	30	24	40	24	19	38	32	37	30		
33															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	4	4	4	4	2	2	1	1	2	2	3	3		3
	25	8	8	8	8	6	6	4	4	6	6	8	7		4
	50	12	12	13	12	11	10	8	8	10	11	13	12	11	5
	75	18	18	18	17	15	14	12	12	14	17	18	18		6
	95	25	25	23	22	19	18	17	16	19	24	23	24		9
	99	35	33	30	25	24	21	24	33	30	30	30	30		14
	Max.	37	45	40	30	28	25	33	40	40	40	40	40	45	20
	Range (1 - 99)	35	33	30	25	24	21	24	33	30	30	30	30		

Table I-4.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
34															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	4	4	5	5	3	1	0	0	3	4	4	4		5
	25	9	9	9	9	7	5	5	4	7	8	8	8		5
	50	14	14	13	13	11	10	10	9	11	12	13	13	12	5
	75	20	19	18	18	16	14	13	12	17	18	18	18		8
	95	27	25	25	24	21	19	17	16	24	25	25	25		11
	99	35	35	30	27	25	25	21	22	40	40	31	33		19
	Max.	40	46	37	35	30	40	28	30	60	37	45	40	46	18
	Range (1 - 99)	35	35	30	27	25	25	21	22	40	40	31	33		
35															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	4	3	2	3	3	3	2	1	2	2	2	2		3
	25	7	7	6	7	7	6	6	5	6	6	6	6		2
	50	10	11	10	11	11	10	10	9	10	10	10	11	10	2
	75	16	19	15	15	15	14	13	12	15	17	17	18		7
	95	23	28	21	20	19	19	17	16	20	24	25	25		12
	99	36	34	30	27	29	24	21	20	22	29	34	33		16
	Max.	37	35	31	28	30	37	22	21	33	30	35	34	37	16
	Range (1 - 99)	36	34	30	27	29	24	21	20	22	29	34	33		
36															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	4	4	4	4	3	3	3	3	3	3	4	4		1
	25	8	8	8	8	7	6	6	6	6	7	8	8		2
	50	12	13	12	12	11	10	10	9	10	11	12	12	11	4
	75	20	21	18	17	15	14	13	13	18	19	20	18		8
	95	28	29	24	22	20	19	16	17	27	27	28	24		13
	99	36	37	30	28	25	24	20	21	36	34	36	31		17
	Max.	39	43	34	33	27	38	23	25	45	36	44	35	44	21
	Range (1 - 99)	36	37	30	28	25	24	20	21	36	34	36	31		

Table I-4.—Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
37															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	4	4	3	4	2	4	2	2	2	2	3	1		3
	25	7	8	7	7	6	7	6	5	5	6	6	6		3
	50	11	12	11	11	11	11	10	9	9	10	10	11	11	3
	75	18	19	16	15	15	15	13	12	15	17	15	16		7
	95	25	27	21	19	19	19	17	16	22	24	21	22		11
	99	36	39	29	29	21	23	19	23	36	32	43	29		24
	Max.	37	40	30	30	22	24	20	24	37	33	44	30	44	24
	Range (1 - 99)	36	39	29	29	21	23	19	23	36	32	43	29		
38															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	4	2	2	3	2	3	3	3	2	2	4	3		2
	25	8	6	7	7	7	6	7	6	6	6	7	7		2
	50	12	11	12	12	12	10	11	10	10	11	11	11	11	2
	75	18	15	17	17	16	15	15	14	14	16	15	15		4
	95	25	20	23	22	21	20	19	18	18	21	20	20		7
	99	37	24	27	39	26	25	22	24	27	25	27	30		17
	Max.	40	28	28	40	30	29	24	26	37	30	30	37	4	16
	Range (1 - 99)	37	24	27	39	26	25	22	24	27	25	27	30		
39															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	6	5	4	3	1	1	1	1	3	4	5	5		5
	25	12	11	10	8	6	6	5	6	8	9	11	11		7
	50	19	17	16	14	12	11	10	12	13	15	17	18	15	9
	75	28	27	25	22	19	17	15	18	20	23	26	28		13
	95	38	38	35	30	27	24	21	25	28	31	35	38		17
	99	48	48	46	42	33	30	26	31	41	38	44	47		22
	Max.	60	65	55	54	45	36	30	40	60	45	55	60	65	35
	Range (1 - 99)	48	48	46	42	33	30	26	31	41	38	44	47		

Table I-4.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
40															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	5	5	3	1	2	2	2	2	4	4	5		4
	25	12	12	11	10	7	7	6	6	7	9	11	12		6
	50	19	19	17	16	13	12	11	11	13	14	18	19	15	8
	75	31	31	27	26	20	18	17	17	22	23	27	29		14
	95	43	43	38	37	28	25	23	24	32	32	36	40		20
	99	52	52	49	47	36	34	29	33	40	44	45	51		23
	Max.	68	65	68	60	45	44	44	52	55	70	68	60	70	26
	Range (1 - 99)	52	52	49	47	36	34	29	33	40	44	45	51		
41															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	5	3	2	1	0	1	1	1	2	4	5		5
	25	11	11	10	7	6	5	5	5	5	7	9	11		6
	50	17	17	17	13	12	10	9	9	10	13	14	17	13	8
	75	27	28	25	21	18	16	14	15	17	22	24	27		14
	95	38	40	34	30	25	22	20	22	25	31	34	37		20
	99	50	50	45	41	34	27	26	28	37	40	44	51		25
	Max.	62	60	56	60	50	42	37	45	60	52	55	60	62	25
	Range (1 - 99)	50	50	45	41	34	27	26	28	37	40	44	51		
42															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	5	5	5	3	3	2	2	2	4	5	5		3
	25	12	12	12	11	8	7	8	8	8	9	12	12		5
	50	20	20	19	18	14	12	13	13	13	15	19	19	16	8
	75	30	32	30	27	23	19	18	19	21	22	28	30		14
	95	41	43	41	37	32	27	25	26	30	30	38	42		18
	99	52	52	52	52	42	37	33	33	44	44	44	52		19
	Max.	56	60	70	60	60	45	55	45	53	68	60	60	68	23
	Range (1 - 99)	52	52	52	52	42	37	33	33	44	44	44	52		

Table I-4.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
43															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	5	5	4	3	2	2	2	3	4	4	5		3
	25	11	11	11	10	8	7	6	7	8	9	10	11		5
	50	18	18	18	16	14	12	10	12	13	14	17	18	15	8
	75	31	29	27	25	22	21	17	18	20	23	27	27		14
	95	44	41	37	35	30	30	24	24	30	32	37	37		20
	99	55	52	55	44	39	45	30	33	48	50	46	47		25
	Max.	60	68	68	55	44	60	45	52	52	67	52	75	75	31
	Range (1 - 99)	55	52	55	44	39	45	30	33	48	50	46	47		
44															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	5	5	2	2	2	2	2	2	3	4	5		3
	25	11	11	10	8	7	6	6	6	7	8	9	10		5
	50	17	17	15	14	11	10	10	10	12	13	15	16	13	7
	75	26	27	24	22	18	21	15	15	19	21	24	26		12
	95	35	37	34	30	25	32	20	21	26	30	33	37		17
	99	45	50	44	44	34	30	25	30	37	40	42	50		25
	Max.	68	65	56	70	55	44	40	62	70	52	55	68	7	30
	Range (1 - 99)	45	50	44	44	34	30	25	30	37	40	42	50		
45															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	5	5	6	3	2	2	2	2	2	5	5		4
	25	12	12	11	11	8	7	7	6	7	8	11	12		6
	50	19	20	18	17	13	12	12	10	12	14	18	19	15	10
	75	30	30	29	25	20	17	18	16	19	22	27	29		14
	95	41	40	40	34	27	23	24	23	26	31	36	39		18
	99	55	52	60	51	35	32	29	29	37	41	47	48		31
	Max.	56	56	63	52	37	34	30	32	45	44	50	55	63	33
	Range (1 - 99)	55	52	60	51	35	32	29	29	37	41	47	48		

Table I-4.—Continued

Sub-region	Percentile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
46															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	6	6	5	5	2	2	3	0	0	3	4	5		6
	25	13	13	11	10	7	7	8	5	5	8	10	12		8
	50	20	20	18	16	13	12	13	11	11	14	16	20	15	9
	75	29	30	27	24	19	18	19	17	20	22	25	28		13
	95	38	40	37	33	26	24	26	24	30	30	35	36		16
	99	55	50	45	40	36	30	33	31	38	37	45	47		25
	Max.	60	60	60	45	48	44	37	41	45	43	55	57	60	23
	Range (1 - 99)	55	50	45	40	36	30	33	31	38	37	45	47		
47															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	5	5	5	4	3	2	3	2	4	5	5		3
	25	11	11	11	10	8	7	6	6	7	10	10	10		5
	50	17	18	17	15	13	12	10	10	12	15	15	16	14	8
	75	26	27	27	23	19	18	16	16	19	22	23	24		11
	95	36	37	37	31	25	25	22	23	27	30	32	33		15
	99	48	52	47	44	34	30	30	30	40	40	44	45		22
	Max.	63	55	60	60	44	55	50	55	64	52	55	60	64	20
	Range (1 - 99)	48	52	47	44	34	30	30	30	40	40	44	45		
48															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	5	4	4	2	2	2	1	2	3	4	4		4
	25	10	10	9	9	6	6	6	10	6	8	9	10		4
	50	16	16	15	14	11	11	10	19	10	14	15	16	14	9
	75	25	25	23	21	17	16	16	19	17	21	22	23		9
	95	34	34	32	28	23	22	22	20	25	29	30	31		14
	99	44	44	44	37	30	30	28	28	33	36	40	40		16
	Max.	60	60	68	49	50	48	38	50	65	52	55	80	80	42
	Range (1 - 99)	44	44	44	37	30	30	28	28	33	36	40	40		

Table I-4.--Continued

Sub-region	Percentile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
49	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	5	5	5	4	3	4	2	3	4	5	5		3
	25	10	10	10	9	8	7	7	6	7	8	10	10		4
	50	16	16	16	14	12	11	11	11	11	13	15	15	13	5
	75	23	24	23	20	17	16	16	16	16	19	21	22		8
	95	30	33	31	27	22	22	22	21	22	26	28	29		12
	99	40	45	44	36	30	27	30	30	35	38	38	40		18
	Max.	50	60	50	50	45	45	50	60	45	60	55	55	60	15
	Range (1 - 99)	40	45	44	36	30	27	30	30	35	38	38	40		
50	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	3	2	2	1	1	2	2	1	2	2	2	2		2
	25	7	7	6	5	5	5	5	5	5	6	7	6		2
	50	12	12	11	10	9	9	9	9	9	11	12	11	10	3
	75	18	18	17	16	14	13	13	14	16	17	19	18		6
	95	25	25	24	23	19	18	18	19	24	24	26	25		7
	99	33	30	30	29	24	22	24	28	31	30	34	32		12
	Max.	37	41	50	47	36	35	30	68	68	52	45	44	68	38
	Range (1 - 99)	33	30	30	29	24	22	24	28	31	30	34	32		
51	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	3	4	4	4	3	2	3	1	2	3	3	3		3
	25	8	9	9	8	7	6	6	5	6	7	8	8		4
	50	14	14	14	12	11	10	10	10	10	11	13	13	12	4
	75	21	22	21	18	15	15	15	15	17	19	20	20		7
	95	28	31	28	24	20	20	20	21	24	27	27	27		11
	99	35	40	35	30	25	26	25	27	30	35	33	35		15
	Max.	55	50	55	50	35	46	35	50	70	68	50	45	70	35
	Range (1 - 99)	35	40	35	30	25	26	25	27	30	35	33	35		

Table I-4.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
52															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	3	3	3	2	2	3	5	3	2	2	2	5		3
	25	8	7	7	6	6	6	9	7	6	6	6	9		3
	50	13	12	12	11	10	10	13	11	11	10	13	13	12	3
	75	19	17	16	16	15	15	16	15	15	15	19	19		4
	95	25	23	21	22	20	20	20	19	20	21	26	26		7
	99	30	28	27	28	24	23	24	24	27	30	30	30		7
	Max.	37	37	40	44	35	26	30	37	68	52	49	37	68	38
	Range (1 - 99)	30	28	27	28	24	23	24	24	27	30	30	30		
53															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	6	5	3	4	2	2	4	3	4	5	4	5		4
	25	12	11	9	9	6	7	7	7	8	11	10	11		6
	50	19	17	15	14	11	12	11	.2	13	17	17	18	15	8
	75	27	25	23	23	18	18	16	17	21	26	25	26		11
	95	35	33	31	32	25	24	22	23	29	36	33	35		14
	99	49	39	35	44	32	30	31	29	35	42	44	53		24
	Max.	52	40	38	45	37	34	34	30	37	44	45	60	60	30
	Range (1 - 99)	49	39	35	44	32	30	31	29	35	42	44	53		
54															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	5	5	4	4	2	3	4	5	5	5	5		3
	25	11	11	10	10	8	7	6	8	10	11	11	11		5
	50	18	18	16	15	12	12	10	12	15	17	18	18	15	8
	75	27	26	25	22	18	18	16	18	22	27	27	25		9
	95	37	34	34	30	25	25	23	24	30	37	36	35		14
	99	45	41	42	40	30	33	30	28	37	45	47	42		19
	Max.	66	51	45	61	50	41	34	38	50	58	60	47	66	32
	Range (1 - 99)	45	41	42	40	30	33	30	28	37	45	47	42		

Table 1-4.--Continued

Sub-region	Percentile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
55															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	4	5	3	2	3	3	2	2	1	2	4	5		4
	25	10	10	9	7	6	7	7	6	7	7	10	11		5
	50	17	16	15	12	10	12	13	11	13	13	16	18	14	8
	75	26	23	25	19	17	19	18	18	19	21	24	28		10
	95	36	31	36	27	24	27	23	26	25	29	33	39		16
	99	42	43	47	44	29	39	31	29	29	36	38	51		22
	Max.	44	44	52	50	30	44	32	30	30	37	40	52	52	22
	Range (1 - 99)	42	43	47	44	29	39	31	29	29	36	38	51		
56															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	7	4	5	4	4	2	5	4	5	4	6	6		5
	25	12	9	10	8	7	6	8	7	9	9	11	13		7
	50	18	15	15	12	11	11	12	11	14	15	17	20	14	9
	75	26	22	23	19	18	16	17	16	20	22	24	27		11
	95	34	30	31	26	25	21	22	21	27	30	31	35		14
	99	37	46	40	33	33	25	26	26	36	35	44	39		21
	Max.	44	47	45	35	40	26	28	27	37	37	45	40	47	21
	Range (1 - 99)	37	46	40	33	33	25	26	26	36	35	44	39		
57															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	5	4	3	3	1	3	1	2	2	5	4		4
	25	11	11	10	8	7	6	8	6	8	8	11	10		5
	50	18	17	17	13	12	11	13	12	14	14	17	17	15	7
	75	27	24	26	20	18	17	19	17	19	22	23	26		10
	95	36	32	35	27	25	23	25	22	25	30	30	35		14
	99	43	40	45	36	32	30	30	25	30	37	38	45		20
	Max.	55	44	52	44	38	52	37	30	32	55	40	60	60	30
	Range (1 - 99)	43	40	45	36	32	30	30	25	30	37	38	45		

Table I-4.—Continued

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
58															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	7	6	5	3	2	2	2	2	3	5	6	7		5
	25	12	12	10	8	7	6	6	6	7	10	11	12		6
	50	18	18	15	13	13	10	10	10	12	16	17	18	14	8
	75	26	26	22	21	19	16	16	14	18	23	26	27		13
	95	35	35	30	30	25	23	22	18	24	30	36	36		17
	99	46	43	39	45	30	29	24	25	29	38	44	39		22
	Max.	47	44	40	55	34	30	25	27	30	40	45	40	55	30
	Range (1 - 99)	46	43	39	45	30	29	24	25	29	38	44	39		
59															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	3	4	2	3	5	5	4	2	4	5	3		3
	25	10	9	9	8	9	9	10	9	6	8	11	8		4
	50	15	15	15	14	15	13	16	15	10	13	17	13	14	7
	75	24	25	25	21	22	22	22	21	19	22	24	21		6
	95	33	36	35	28	30	31	29	28	28	31	32	30		8
	99	45	44	51	36	34	37	35	37	36	34	36	36		17
	Max.	46	45	52	37	35	38	52	38	37	35	37	37	52	17
	Range (1 - 99)	45	44	51	36	34	37	35	37	36	34	36	36		
60															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	5	2	3	3	0	2	2	3	5	3	2	5		5
	25	10	7	9	8	6	6	6	7	9	8	8	10		4
	50	16	13	15	13	12	10	10	12	13	13	14	15	13	6
	75	27	20	23	21	18	15	15	17	19	20	22	25		12
	95	38	28	32	29	24	20	20	22	26	28	30	35		18
	99	31	39	43	46	30	29	26	29	29	37	38	44		20
	Max.	52	40	44	47	35	30	33	34	30	40	52	45	52	22
	Range (1 - 99)	31	39	43	46	30	29	26	29	29	37	38	44		

Table 1-4.--Concluded

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
61															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	3	4	4	5	5	5	5	4	4	3	4	5		2
	25	8	8	9	9	10	10	10	9	8	7	8	9		3
	50	13	13	15	14	15	15	16	14	13	12	12	14	14	4
	75	21	21	22	21	21	21	22	20	20	19	20	23		4
	95	30	29	29	29	28	28	28	27	28	26	28	32		6
	99	37	34	37	37	35	35	34	32	35	35	33	40		8
	Max.	50	37	42	48	55	47	41	37	43	37	45	48	55	18
	Range (1 - 99)	37	34	37	37	35	35	34	32	35	35	33	40		
62															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	3	3	4	3	4	5	5	4	3	2	2	3		3
	25	8	8	9	8	8	10	9	8	7	7	7	8		3
	50	13	13	14	14	13	15	14	13	12	12	12	13	13	3
	75	20	20	21	20	18	20	19	17	18	18	19	20		4
	95	27	27	29	26	24	25	24	22	24	25	26	28		5
	99	33	33	35	35	33	33	30	26	30	31	33	35		9
	Max.	50	40	44	40	37	37	37	32	37	35	50	40	50	18
	Range (1 - 99)	33	33	35	35	33	33	30	26	30	31	33	35		

f. Extreme wave heights

Table I-5.--Percentiles of all wave heights (ft) in TDF-11 by months by subregion

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
01															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	05	2	2	1	1	0	0	0	0	1	1	1	1	1	2
	25	5	4	4	2	2	2	3	3	3	3	3	2	3	3
	50	8	8	7	5	4	4	4	4	4	5	6	8	5	4
	75	13	12	10	9	6	6	6	6	6	7	8	10	7	7
	95	18	21	21	14	11	10	9	8	11	12	14	19	14	13
	99	26	28	23	23	12	14	11	12	15	19	22	29	21	18
	Max.	40	40	32	25	16	19	16	16	19	25	32	40	40	24
	Range (1 - 99)	25	28	23	23	12	14	11	12	15	19	22	29	21	
02															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	05	1	1	1	1	0	0	0	0	1	0	0	1	0	1
	25	3	4	3	3	2	1	1	2	3	3	2	2	2	3
	50	6	6	6	5	4	3	3	3	5	4	5	6	5	3
	75	11	8	8	7	6	5	5	5	7	6	7	8	7	6
	95	18	13	15	13	9	8	8	7	12	11	11	15	12	11
	99	33	28	22	18	12	11	11	11	24	16	19	24	21	22
	Max.	48	48	32	25	22	22	16	19	32	25	32	32	48	32
	Range (1 - 99)	32	28	22	18	12	11	11	11	24	16	19	24	21	
03															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25	1	1	1	1	1	1	1	1	1	0	1	2	1	2
	50	3	2	2	2	2	2	3	2	2	2	2	3	2	1
	75	4	4	4	5	4	4	5	4	3	3	4	5	4	2
	95	7	6	7	8	6	7	8	6	6	7	7	7	7	2
	99	9	11	11	10	8	8	9	9	8	12	10	12	9	4
	Max.	12	12	16	19	12	16	11	12	12	22	12	16	22	11
	Range (1 - 99)	9	11	11	10	8	8	9	9	8	12	10	12	9	

Table 1-5.--Continued

Subregion	Percentile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
04															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	1	0	0	0	0	0	0	0	0	0	0	1
	25	3	3	2	1	1	0	0	0	1	1	1	3	1	3
	50	5	5	4	2	2	2	1	1	2	3	4	4	3	4
	75	7	6	6	4	4	3	3	3	3	5	6	7	4	4
	95	14	12	9	8	6	6	6	4	6	10	10	12	10	10
	99	16	20	12	12	9	7	7	7	10	15	12	22	15	15
	Max.	32	32	19	25	16	12	9	12	16	19	16	25	32	23
	Range (1 - 99)	16	20	12	12	9	7	7	7	10	15	12	22	15	
05															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	1	0	0	0	0	0	0	0	1	0	0	1
	25	3	2	2	2	1	1	1	1	1	1	2	3	1	2
	50	6	5	4	3	3	2	2	2	3	3	4	4	3	4
	75	8	7	6	6	4	3	4	4	5	5	7	7	5	5
	95	15	12	11	9	7	7	8	6	9	8	11	11	10	9
	99	25	20	15	15	12	9	11	9	15	11	16	16	15	16
	Max.	32	25	22	16	19	16	16	16	22	25	22	32	32	16
	Range (1 - 99)	25	20	15	15	12	9	11	9	15	11	16	16	15	
06															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	0	0	0	0	0	0	0	0	0	1	0	1
	25	2	2	1	1	1	1	1	1	1	1	1	2	1	1
	50	4	4	3	2	2	2	2	2	3	3	3	3	3	2
	75	7	6	5	4	4	3	4	4	5	4	5	6	5	4
	95	12	10	9	8	7	7	8	6	9	7	9	8	8	6
	99	16	15	12	12	12	8	9	11	12	11	15	12	12	8
	Max.	16	16	16	32	19	9	9	11	16	19	32	16	32	23
	Range (1 - 99)	16	15	12	12	12	8	9	11	12	11	15	12	12	

Table I-5.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
07															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	0	1	0	0	0	0	0	0	1	0	0	1
	25	3	1	1	2	1	1	1	1	1	1	2	3	1	2
	50	5	5	4	3	3	2	2	2	4	4	4	4	4	3
	75	10	7	6	6	4	4	4	4	5	5	6	6	5	6
	95	13	11	11	10	8	8	7	6	11	9	11	10	11	7
	99	25	20	15	14	12	10	9	9	19	14	16	15	15	16
	Max.	32	25	40	32	19	16	40	22	32	19	25	25	40	24
	Range (1 - 99)	25	20	15	14	12	10	9	9	19	14	16	15	15	
08															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	1	0	0	0	0	0	0	0	0	0	0	1
	25	2	2	2	1	1	1	1	1	1	1	1	2	1	1
	50	4	4	4	3	3	2	2	2	3	3	3	4	3	2
	75	7	7	6	5	4	3	4	4	5	5	5	6	5	4
	95	13	11	10	9	7	8	7	6	9	9	9	10	9	7
	99	21	16	15	12	12	11	9	9	14	12	13	15	15	12
	Max.	32	60	40	32	25	40	12	25	32	25	32	25	60	48
	Range (1 - 99)	21	16	15	12	12	11	9	9	14	12	13	15	15	
09															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	1	1	1	1	0	0	0	1	1	1	1	1	1
	25	3	3	2	2	2	1	2	2	2	3	3	3	2	2
	50	5	6	5	4	4	3	3	3	4	5	5	4	4	3
	75	8	9	7	7	6	5	5	5	6	6	6	7	6	4
	95	12	14	13	11	11	9	8	7	11	11	11	10	11	7
	99	19	22	16	15	16	14	9	11	16	16	16	15	16	13
	Max.	32	32	32	48	25	25	16	16	32	32	60	32	60	44
	Range (1 - 99)	19	22	16	15	16	14	9	11	16	16	16	15	16	

Table 1-5.--Continued

Sub-region	Per-centile	Month J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
10															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	1	1	1	1	0	1	0	1	1	1	1	1	1
	25	3	3	3	3	2	2	2	2	2	3	3	3	3	1
	50	5	6	5	4	4	4	3	3	5	5	5	4	4	3
	75	8	9	7	7	6	6	6	5	7	7	6	7	6	4
	95	16	14	15	11	9	10	8	7	11	12	11	10	11	9
	99	21	22	16	14	15	14	11	11	15	18	13	15	15	11
	Max.	40	32	40	32	32	25	16	22	32	32	70	32	70	54
	Range (1 - 99)	21	22	16	14	15	14	11	11	15	18	13	15	15	
11															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	1	1	1	0	0	0	0	1	1	1	1	1	1
	25	3	4	3	3	1	2	2	1	3	3	3	3	2	3
	50	5	5	4	4	3	3	3	3	5	5	4	4	4	2
	75	7	9	6	6	4	5	5	4	7	7	6	7	6	5
	95	11	12	11	9	7	10	8	6	11	11	10	9	11	6
	99	14	16	14	12	12	14	11	10	16	15	12	12	14	6
	Max.	40	22	22	22	32	25	16	16	32	32	22	16	40	24
	Range (1 - 99)	14	16	14	12	12	14	11	10	16	15	12	12	14	
12															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	1	0	0	0	0	0	0	0	0	0	0	1
	25	3	3	2	2	1	1	1	1	1	3	2	3	1	2
	50	4	4	3	3	3	3	2	2	3	4	4	4	3	2
	75	6	6	6	6	4	4	5	4	5	6	6	6	5	2
	95	8	11	9	9	7	8	7	6	10	10	9	8	8	5
	99	12	16	11	11	11	11	11	9	16	15	12	12	12	7
	Max.	19	32	16	22	32	19	16	16	40	32	22	22	40	24
	Range (1 - 99)	12	16	11	11	11	11	11	9	16	15	12	12	12	

Table I-5.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
13															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25	2	2	2	1	1	1	1	1	1	1	1	1	1	1
	50	3	3	3	2	2	2	2	2	2	3	3	3	2	1
	75	5	5	5	5	4	3	3	3	3	4	5	5	4	2
	95	7	7	8	8	5	7	6	5	6	7	7	7	7	3
	99	11	12	11	11	7	9	7	7	9	12	10	9	10	5
	Max.	32	19	16	16	12	16	12	11	22	22	16	19	32	21
	Range (1 - 99)	11	12	11	11	7	9	7	7	9	12	10	9	10	
14															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25	2	2	1	1	1	1	0	1	1	2	1	2	1	
	50	3	3	3	3	2	2	1	2	2	3	3	3	3	2
	75	5	5	5	5	4	3	3	3	3	5	5	6	4	
	95	10	8	10	8	5	7	6	5	6	7	8	7	7	
	99	14	16	16	11	7	9	7	7	7	10	11	10	11	9
	Max.	16	19	22	22	9	11	9	7	9	12	19	11	22	15
	Range (1 - 99)	14	16	16	11	7	9	7	7	7	10	11	10	11	
15															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	25	2	3	1	1	1	1	0	0	1	3	1	3	1	3
	50	4	4	3	3	2	2	1	2	3	4	3	4	3	3
	75	6	6	5	5	3	3	3	3	4	6	5	5	4	3
	95	12	9	8	8	6	8	5	5	11	8	8	7	8	7
	.99	18	16	12	12	7	14	7	9	17	14	11	10	12	11
	Max.	19	16	16	16	9	19	9	9	19	16	12	11	19	10
	Range (1 - 99)	18	16	12	12	7	14	7	9	17	14	11	10	12	

Table I-5.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
16															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	25	3	3	1	2	1	1	1	0	1	2	1	2	1	3
	50	4	4	3	3	2	2	2	1	3	3	3	3	3	3
	75	6	7	5	5	4	3	3	3	5	6	5	6	5	4
	95	10	9	9	8	6	7	6	5	7	8	8	8	8	5
	99	14	17	12	11	8	8	7	7	12	15	11	15	11	10
	Max.	22	25	19	16	16	16	12	16	22	40	16	22	40	28
	Range (1 - 99)	14	17	12	11	8	8	7	7	12	15	11	15	11	
17															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	1	1	0	0	0	0	0	0	1	0	0	0	1
	25	3	3	2	2	1	1	0	0	1	2	2	3	1	3
	50	4	4	4	3	3	2	2	2	3	4	3	4	3	2
	75	6	7	6	6	4	3	4	3	5	5	5	6	5	4
	95	9	9	11	8	6	7	7	5	7	8	8	8	8	6
	99	20	15	12	11	9	8	7	7	11	12	11	12	11	13
	Max.	32	19	22	16	32	22	11	12	16	16	16	16	32	21
	Range (1 - 99)	20	15	12	11	9	8	7	7	11	12	11	12	11	
18															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	1	1	0	0	0	0	0	0	0	1	0	1
	25	2	3	2	2	1	1	1	0	1	1	2	2	1	3
	50	4	4	3	3	3	2	2	2	3	3	3	3	3	3
	75	5	7	5	5	4	3	4	4	5	5	5	6	4	4
	95	8	9	8	8	7	7	7	5	9	7	77	8	8	4
	99	12	12	10	11	10	8	7	7	12	12	11	11	11	5
	Max.	32	19	16	12	16	19	12	11	16	22	16	12	32	21
	Range (1 - 99)	12	12	10	11	10	8	7	7	12	12	11	11	11	

Table I-5.--Continued

Sub-region	Percentile	Month												Range	Annual
		J	F	M	A	M	J	J	A	S	O	N	D		
19															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	1	1	0	0	0	0	0	0	0	1	0	1
	25	3	2	2	2	1	2	1	1	1	2	2	3	1	2
	50	4	4	3	3	3	3	2	2	3	4	3	4	3	2
	75	6	6	5	6	5	4	4	4	4	5	5	6	5	2
	95	10	7	9	8	6	7	7	5	7	8	8	8	8	5
	99	12	11	10	11	8	9	7	7	9	15	12	12	11	8
	Max.	12	16	16	11	19	11	9	9	16	22	25	16	25	16
	Range (1 - 99)	12	11	10	11	8	9	7	7	9	15	12	12	11	
20															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	05	1	0	1	1	1	0	1	0	1	1	0	0	0	1
	25	2	2	2	3	3	2	3	2	2	2	2	3	2	1
	50	3	3	4	4	4	3	4	3	3	3	4	4	4	1
	75	5	6	6	6	5	5	6	5	5	5	6	4	6	2
	95	8	8	11	10	8	8	10	6	7	8	8	9	8	4
	99	11	15	12	12	11	11	11	9	10	12	14	15	11	6
	Max.	16	22	19	16	16	19	22	12	32	19	19	16	32	20
	Range (1 - 99)	11	15	11	11	10	11	10	9	9	11	14	15	11	
21															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	1	1	1	1	1	1	1	1	0	2	1	2
	25	3	2	2	3	3	3	4	3	3	3	3	4	3	2
	50	4	3	4	5	5	5	5	4	4	4	5	5	4	2
	75	7	6	6	7	6	7	7	6	5	6	7	7	6	2
	95	10	7	9	10	9	11	10	9	7	9	11	11	9	4
	99	12	15	14	11	17	13	12	15	9	11	14	15	13	8
	Max.	16	16	16	16	25	16	19	16	16	16	16	16	25	9
	Range (1 - 99)	12	15	14	11	17	13	12	15	9	11	14	15	13	

Table I-5.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
22															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	50	2	2	3	2	2	2	2	2	2	2	3	3	2	1
	75	4	5	4	4	3	3	4	4	3	3	4	5	4	2
	95	8	7	9	7	6	7	7	6	6	6	7	7	7	3
	99	10	12	11	11	10	9	9	7	9	9	11	11	10	5
	Max.	19	16	22	16	40	12	12	11	16	60	25	22	60	49
	Range (1 - 99)	10	12	11	11	10	9	9	7	9	9	11	11	10	
23															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	1	1	1	1	1	1	1	0	1	1	1	1
	25	3	3	3	3	3	3	3	3	3	2	3	3	3	1
	50	4	4	5	5	5	5	4	4	4	4	4	5	4	1
	75	7	7	7	7	6	7	7	6	6	6	6	7	6	1
	95	11	11	12	12	11	12	10	8	9	10	10	14	11	4
	99	14	15	16	16	15	14	11	11	11	14	14	19	15	8
	Max.	22	25	25	22	22	16	16	16	16	16	25	25	25	9
	Range (1 - 99)	14	15	16	16	15	14	11	11	11	14	14	19	15	
24															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	1	0	1	1	1	1	1	0	0	0	1	1
	25	3	2	3	3	3	2	2	3	3	1	2	3	2	2
	50	4	4	5	5	5	4	4	4	4	4	4	4	4	1
	75	6	7	7	7	7	6	7	6	6	6	6	7	6	1
	95	11	10	11	13	11	12	10	9	7	10	10	10	10	6
	99	15	19	12	16	16	15	12	12	11	14	16	15	14	8
	Max.	22	22	40	19	60	22	16	16	16	22	22	16	60	44
	Range (1 - 99)	15	19	12	16	16	15	12	12	11	14	16	15	14	

Table I-5.--Continued

Sub-region	Percentile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
25	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	1	2	1	1	1	1	1	0	0	1	1	2
	25	4	3	3	4	4	3	3	3	3	2	3	4	3	2
	50	5	5	6	6	6	4	4	4	4	4	5	6	5	2
	75	7	7	8	9	7	6	7	7	6	6	7	8	7	3
	95	12	11	13	14	12	12	11	9	9	11	11	12	12	4
	99	16	19	16	24	16	15	16	15	12	15	16	19	16	12
	Max.	19	32	40	40	32	22	32	19	16	22	22	25	40	24
	Range (1 - 99)	16	19	16	24	16	15	16	15	12	15	16	19	16	
26	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	0	1	1	1	1	1	1	0	0	1	1	1	1
	25	3	3	4	4	4	3	3	4	3	2	3	4	3	2
	50	6	5	6	6	6	5	4	5	4	4	5	6	5	2
	75	9	8	7	8	9	7	7	7	6	6	7	8	7	3
	95	14	12	13	17	14	13	12	11	9	10	12	14	12	8
	99	16	16	15	24	19	16	16	15	12	16	16	21	18	12
	Max.	22	22	19	32	22	32	16	19	16	19	22	32	32	16
	Range (1 - 99)	16	16	15	24	19	16	16	15	12	16	16	21	18	
27	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	05	2	1	1	2	1	1	0	1	0	0	1	2	1	2
	25	5	3	3	4	5	3	3	3	3	3	3	5	3	2
	50	7	5	6	6	6	5	4	4	4	5	6	7	5	3
	75	10	9	6	7	9	7	7	7	6	7	8	10	7	4
	95	15	13	9	14	14	13	9	9	9	12	13	14	12	6
	99	19	16	15	18	18	16	16	12	12	15	19	24	16	12
	Max.	25	19	16	19	22	19	16	16	16	19	22	25	25	9
	Range (1 - 99)	18	16	15	18	18	16	16	12	12	15	19	24	16	

Table I-5.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
28															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	0	0	0	0	0	0	0	0	0	0	1	0	1
	05	1	1	2	1	1	0	1	1	1	1	1	4	1	4
	25	5	4	5	4	4	3	3	3	3	3	4	7	3	4
	50	7	6	8	5	6	5	5	4	4	5	6	8	5	4
	75	10	10	10	7	8	6	7	6	6	7	8	11	7	5
	95	14	14	16	11	12	13	13	8	8	13	13	16	12	8
	99	16	19	27	12	15	16	18	11	12	18	18	24	17	16
	Max.	22	19	32	12	16	19	19	12	16	22	25	25	32	20
	Range (1 - 99)	15	19	27	12	15	16	18	11	12	18	18	23	17	
29															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	05	2	1	2	1	1	0	1	1	1	1	3	2	1	3
	25	5	5	5	4	3	3	3	3	3	3	5	7	3	4
	50	7	6	6	5	5	4	4	4	5	5	7	8	5	4
	75	9	10	9	7	7	6	6	6	6	7	8	10	7	4
	95	14	13	14	10	10	11	9	8	11	12	13	16	12	8
	99	17	18	16	15	15	14	12	12	15	16	16	24	16	12
	Max.	22	19	19	19	22	16	16	12	16	32	25	32	32	20
	Range (1 - 99)	17	18	15	15	15	14	12	12	15	16	16	24	16	
30															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	05	2	1	1	1	0	0	0	0	0	0	0	0	0	2
	25	6	5	5	4	3	2	3	2	2	3	0	5	2	6
	50	8	7	7	5	4	4	4	3	4	6	4	8	5	5
	75	11	11	11	7	6	6	6	5	6	8	7	11	7	6
	95	16	16	15	12	11	10	9	8	9	14	12	14	12	8
	99	22	19	22	16	15	12	11	12	12	17	15	25	18	14
	Max.	25	19	25	22	19	16	12	12	16	19	16	32	32	20
	Range (1 - 99)	21	19	22	16	15	12	11	12	12	17	15	25	18	

Table I-5.--Continued

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
31															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25	0	4	3	3	2	1	2	1	1	2	1	3	1	4
	50	3	6	5	6	4	3	4	2	3	6	4	6	4	4
	75	6	10	8	8	6	5	6	4	6	9	7	9	6	6
	95	11	14	16	17	9	10	10	7	10	16	12	14	12	10
	99	15	22	19	29	15	19	21	12	15	22	15	16	19	17
	Max.	19	32	22	32	16	32	22	16	19	25	16	22	32	16
	Range (1 - 99)	15	22	19	29	15	19	21	12	15	22	15	16	19	
32															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05	1	1	0	1	0	0	0	0	0	0	1	1		1
	25	2	2	1	2	1	1	1	1	1	1	2	2		1
	50	3	3	3	3	3	2	2	2	3	3	4	4	3	2
	75	5	5	6	5	5	4	4	3	5	6	6	6		3
	95	8	8	9	8	7	7	6	5	8	10	8	9		5
	99	12	8	12	12	10	10	7	8	15	12	10	12		8
	Max.	13	12	15	13	13	15	8	13	25	15	20	15	25	17
	Range (1 - 99)	12	8	12	12	10	10	7	8	15	12	10	12		
33															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	1	0	1	1	0	1	0	0	0	0	1	1		1
	25	2	1	2	2	1	2	1	1	1	1	2	2		1
	50	4	3	3	3	3	3	3	2	3	3	4	4	3	2
	75	7	6	6	5	5	5	4	3	5	5	6	6		4
	95	9	9	8	7	7	6	5	5	7	8	8	8		4
	99	13	13	13	11	10	8	7	8	12	12	13	12		6
	Max.	16	23	15	12	13	12	12	12	20	13	15	23	23	11
	Range (1 - 99)	13	13	13	11	10	8	7	8	12	12	13	12		

Table I-5.--Continued

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
		Month													
34															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	0	1	0	0	0	0	0	0	0	0	0	0		1
	25	2	2	1	1	1	1	1	1	1	1	1	1		1
	50	4	3	3	3	3	3	2	3	3	3	3	3	3	2
	75	7	5	5	5	5	4	3	4	6	6	5	5		4
	95	10	8	8	8	7	6	5	6	9	9	8	8		5
	99	15	12	12	10	10	10	7	8	16	15	12	12		9
	Max.	31	16	16	13	13	12	8	13	26	20	15	15	31	23
	Range (1 - 99)	15	12	12	10	10	10	7	8	16	15	12	12		
35															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	1	0	1	1	0	1	0	0	0	0	0	0		1
	25	2	1	2	2	1	2	1	1	1	1	1	1		1
	50	3	3	3	3	3	3	2	2	3	3	3	3	3	1
	75	6	7	5	4	5	4	4	3	4	5	5	6		4
	95	9	11	8	5	7	5	6	5	6	8	8	10		6
	99	17	16	16	11	9	9	7	7	14	15	19	20		13
	Max.	26	20	18	13	10	11	8	13	24	20	26	26	26	18
	Range (1 - 99)	17	16	16	11	9	9	7	7	14	15	19	20		
36															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	1	1	1	1	1	0	0	1	1	1	1		2
	25	3	2	2	2	2	2	1	1	2	2	2	2		2
	50	4	3	3	3	3	3	2	2	3	3	3	3	3	2
	75	11	10	10	7	5	4	3	3	6	6	6	8		8
	95	16	15	15	9	7	6	5	4	9	9	9	12		12
	99	21	20	20	12	9	8	7	6	12	13	13	17		15
	Max.	30	24	25	13	13	12	8	13	20	20	21	20	30	22
	Range (1 - 99)	21	20	20	12	9	8	7	6	12	13	13	17		

Table I-5.--Continued

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
37															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	1	0	1	1	1	2	0	0	1	1	0	0		2
	25	2	1	2	2	2	2	1	1	2	2	1	2		1
	50	4	3	3	3	3	3	3	2	3	4	3	4	3	2
	75	7	7	4	4	5	4	5	3	4	6	4	6		4
	95	10	11	6	5	7	6	7	5	6	8	6	8		6
	99	20	20	12	10	9	9	7	6	6	14	14	19		14
	Max.	24	23	15	12	10	10	8	7	7	15	15	20	24	7
	Range (1 - 99)	20	20	12	10	9	9	7	6	6	14	14	19		
38															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	1	0	0	0	0	0	1	1	0	0	0	1		1
	25	2	1	1	1	1	1	2	2	1	1	1	2		1
	50	3	3	3	3	3	3	3	3	3	3	3	3	3	0
	75	6	4	5	5	4	4	4	4	4	4	4	5		2
	95	10	5	7	7	6	5	5	5	5	6	6	7		5
	99	12	7	9	9	7	6	7	7	19	8	11	11		13
	Max.	13	8	10	10	8	7	8	8	20	10	12	12	20	13
	Range (1 - 99)	12	7	9	9	7	6	7	7	19	8	11	11		
39															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	2	1	2	0	0	0	0	1	1	2	2		2
	25	4	4	3	3	1	1	1	2	2	3	4	4		3
	50	7	6	5	5	3	3	3	4	4	5	6	7	5	4
	75	12	11	9	9	6	5	5	6	7	8	10	11		7
	95	17	17	14	13	10	8	7	9	10	11	14	15		10
	99	21	27	19	19	17	12	8	13	14	16	18	21		19
	Max.	25	31	26	25	23	15	10	16	25	25	31	26	31	21
	Range (1 - 99)	21	27	19	19	17	12	8	13	14	16	18	21		

Table I-5.--Continued

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
		Month													
40															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	2	2	2	1	0	1	0	1	1	2	3		3
	25	5	4	4	4	2	1	2	1	2	2	4	5		4
	50	8	7	7	6	4	3	3	3	4	4	6	8	5	5
	75	13	13	12	10	7	5	6	5	6	8	10	13		8
	95	18	19	18	15	11	8	9	8	9	12	15	18		11
	99	27	26	29	26	15	13	10	16	16	18	25	26		19
	Max.	31	31	39	36	21	28	20	25	25	31	30	31	39	19
	Range (1 - 99)	27	26	29	26	15	13	10	16	16	18	25	26		
41															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	1	1	1	1	0	0	0	1	1	1	2		
	25	4	3	3	2	2	1	1	1	2	2	3	4		
	50	6	6	6	4	3	3	3	3	3	4	6	6	4	3
	75	11	11	10	8	6	5	5	5	6	8	10	11		
	95	16	17	15	12	10	7	7	7	10	12	14	17		
	99	24	22	19	19	17	12	10	12	16	18	20	26		16
	Max.	28	25	23	31	25	15	18	21	26	23	30	31	31	16
	Range (1 - 99)	24	22	19	19	17	12	10	12	16	18	20	26		
42															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	2	2	2	2	1	0	1	2	1	1	2		2
	25	4	4	4	4	3	2	2	2	3	2	3	5		3
	50	7	7	7	7	5	4	4	3	4	4	6	7	5	4
	75	12	13	12	10	8	7	6	5	7	8	10	13		8
	95	18	20	18	14	12	11	9	8	10	12	14	19		12
	99	31	30	30	26	16	15	12	12	21	20	23	26		19
	Max.	49	31	38	31	30	23	15	25	31	28	30	31	49	34
	Range (1 - 99)	31	30	30	26	16	15	12	12	21	20	23	26		

Table I-5.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
43															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	2	2	2	2	0	0	0	0	2	2	3		3
	25	4	4	4	3	2	1	1	1	2	3	3	5		4
	50	7	7	7	5	3	3	3	3	5	5	5	7	5	4
	75	12	12	12	10	6	5	5	5	8	9	10	11		7
	95	18	18	18	16	10	8	8	8	12	13	15	15		10
	99	25	26	25	23	13	14	12	12	25	21	25	20		14
	Max.	31	31	31	26	20	15	20	13	30	26	31	30	31	18
	Range (1 - 99)	25	26	25	23	13	14	12	12	25	21	25	20		
44															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	0	0	0	0	0	0	0	0	0	0	2		2
	25	3	2	2	1	1	1	1	1	1	2	2	3		2
	50	5	5	5	3	3	3	3	3	3	5	5	5	4	2
	75	10	10	9	8	5	5	5	5	6	8	9	9		5
	95	15	15	13	12	8	8	7	7	10	12	13	13		8
	99	16	20	16	13	13	8	7	10	13	18	15	23		16
	Max.	28	31	31	26	23	16	15	25	28	30	26	31	31	16
	Range (1 - 99)	16	20	16	13	13	8	7	10	13	18	15	23		
45															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	3	2	2	2	2	0	0	0	2	2	2		3
	25	4	5	4	4	3	3	1	1	2	3	4	4		4
	50	7	7	7	6	5	4	3	3	4	5	7	7	5	4
	75	13	14	13	10	7	6	6	6	9	8	11	12		8
	95	20	21	19	14	10	9	9	9	14	12	15	17		12
	99	30	28	30	20	15	12	14	22	23	20	25	26		18
	Max.	31	31	31	31	20	13	15	23	25	21	26	28	31	18
	Range (1 - 99)	30	28	30	20	15	12	14	22	23	20	25	26		

Table I-5.--Continued

Sub-region	Per-centile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
46															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	2	2	2	0	0	0	0	0	0	2	2		2
	25	4	4	3	3	1	1	1	1	1	2	3	4		3
	50	7	7	5	5	3	3	3	3	3	5	5	7	5	4
	75	11	13	10	9	5	5	5	5	9	7	10	12		8
	95	15	20	16	13	8	8	8	8	15	10	15	18		12
	99	25	26	25	20	13	12	12	12	26	15	26	23		14
	Max.	30	33	31	31	16	26	20	21	31	26	31	28	33	17
	Range (.99-.01)	25	26	25	20	13	12	12	12	26	15	26	23		
47															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	2	2	2	0	0	0	0	0	0	2	2		2
	25	3	3	3	3	1	1	1	1	1	2	3	3		2
	50	5	5	5	5	3	3	3	3	3	5	5	5	4	2
	75	10	12	10	9	5	5	5	5	7	7	10	11		7
	95	15	20	16	13	8	8	8	8	12	10	15	17		12
	99	20	21	21	26	15	12	11	12	13	15	16	18		15
	Max.	33	31	36	31	23	15	12	31	21	26	23	39	39	27
	Range (.99-.01)	20	21	21	26	15	12	11	12	13	15	16	18		
48															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	2	2	1	0	0	0	0	0	1	1	1		2
	25	5	4	3	3	2	1	1	1	1	3	3	3		4
	50	8	6	5	5	4	3	3	3	3	5	5	5	5	5
	75	11	10	9	7	6	5	5	5	7	7	8	9		6
	95	14	15	13	10	9	8	7	8	11	10	12	13		8
	99	20	20	18	15	12	12	8	12	16	15	16	18		12
	Max.	31	31	28	31	25	28	15	23	33	30	41	28	41	26
	Range (.99-.01)	20	20	18	15	12	12	8	12	16	15	16	18		

Table I-5.--Continued

Sub-region	Percentile	Month												Annual	Range
		J	F	M	A	M	J	J	A	S	O	N	D		
49															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	2	2	1	0	0	0	0	0	0	0	1		2
	25	3	3	3	3	1	1	1	1	1	1	1	2		2
	50	5	5	5	5	3	3	3	3	3	3	3	4	4	2
	75	7	8	7	7	5	5	5	5	5	6	6	7		3
	95	10	12	10	9	8	7	7	7	8	9	10	10		5
	99	18	21	16	15	12	10	10	13	13	15	15	16		11
	Max.	30	31	28	28	16	23	26	23	31	31	25	23	31	15
	Range (.99-.01)	18	21	16	15	12	10	10	13	13	15	15	16		
50															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	1	1	0	0	0	0	0	0	0	1	1	1		1
	25	3	2	2	1	1	1	1	1	1	2	2	3		2
	50	5	4	4	3	3	3	3	3	3	4	4	5	4	2
	75	8	7	6	6	5	5	5	5	6	6	7	7		3
	95	11	11	9	9	7	7	7	7	10	9	10	10		4
	99	15	15	15	13	10	8	8	10	15	13	13	15		7
	Max.	20	31	25	20	16	15	10	20	20	23	28	30	31	21
	Range (.99-.01)	15	15	15	13	10	8	8	10	15	13	13	15		
51															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	1	1	1	0	0	0	0	0	0	0	0	0		1
	25	2	2	2	1	1	1	1	1	1	1	1	1		1
	50	4	4	4	3	3	3	3	3	3	3	3	3	3	1
	75	6	7	6	5	5	4	4	5	6	6	6	6		3
	95	9	10	9	8	7	6	6	7	9	9	10	9		4
	99	13	15	15	13	10	10	8	10	13	15	13	15		7
	Max.	23	26	26	26	12	13	15	13	18	23	15	25	26	13
	Range (.99-.01)	13	15	15	13	10	10	8	10	13	15	13	15		

Table I-5.--Continued

Sub-region	Percentile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
52															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	0	0	0	0	0	0	1	0	0	0	0	0		1
	25	2	1	2	1	1	1	2	1	1	1	1	2		1
	50	4	3	4	3	3	3	3	3	3	3	3	4	3	1
	75	6	5	6	5	5	5	5	5	5	5	6	6		1
	95	8	8	8	8	7	7	7	7	7	8	9	9		2
	99	12	12	12	12	8	8	10	10	12	12	13	13		5
	Max.	23	16	20	20	15	13	12	25	16	16	25	21	25	13
	Range (1 - 99)	12	12	12	12	8	8	10	10	12	12	13	13		
53															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	3	3	2	1	1	2	1	1	2	2	1	2		2
	25	5	5	4	3	3	3	2	2	3	4	4	4		3
	50	7	7	7	6	5	5	4	4	5	7	7	7	6	3
	75	11	12	11	10	7	7	7	7	7	11	12	13		6
	95	16	18	15	15	10	10	10	10	10	15	17	19		9
	99	19	20	19	29	11	15	20	11	19	27	30	32		21
	Max.	20	21	20	30	12	16	21	12	20	28	31	33	33	21
	Range (1 - 99)	19	20	19	29	11	15	20	11	19	27	30	32		
54															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	3	2	0	0	2	2	0	2	2	2	2		3
	25	4	5	4	2	2	3	3	2	3	4	5	5		3
	50	7	7	7	5	5	5	4	5	5	7	8	8	6	5
	75	11	11	11	8	7	8	6	7	8	11	14	14		8
	95	15	16	15	12	10	12	8	10	12	16	20	20		12
	99	26	21	18	20	13	13	13	15	16	28	23	21		15
	Max.	31	26	33	30	25	23	20	23	26	31	33	31	33	13
	Range (1 - 99)	26	21	18	20	13	13	13	15	16	28	23	21		

Table I-5.--Continued

Sub-region	Per-centile	J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
55															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	1	2	1	2	2	2	1	0	2	2	3		3
	25	4	4	4	3	3	3	3	3	2	4	4	5		3
	50	7	7	7	5	5	5	4	5	5	7	6	7	6	3
	75	12	12	11	10	8	7	6	7	8	10	9	13		7
	95	17	18	15	16	12	10	9	10	12	14	13	19		10
	99	20	25	22	25	14	15	11	14	29	19	19	32		21
	Max.	21	26	23	26	15	16	12	15	30	20	20	33	33	21
	Range (1 - 99)	20	25	22	25	14	15	11	14	29	19	19	32		
56															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	3	0	2	0	0	2	2	0	3	2	3		3
	25	3	5	2	3	1	1	2	2	1	5	3	5		4
	50	5	7	5	5	3	3	3	3	3	7	5	7	5	4
	75	8	10	10	9	5	5	5	5	6	11	8	11		6
	95	12	13	15	13	7	8	8	7	10	15	12	15		8
	99	20	19	23	30	19	14	11	11	15	25	19	26		19
	Max.	21	20	31	31	20	15	12	12	18	26	20	30	31	19
	Range (1 - 99)	20	19	23	30	19	14	11	11	15	25	19	26		
57															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	2	2	2	2	2	2	2	0	2	2	2		2
	25	4	4	4	3	3	3	3	3	2	4	4	4		2
	50	6	6	7	5	5	4	4	5	5	7	6	7	6	3
	75	12	11	12	9	8	7	6	6	9	10	10	12		6
	95	18	16	18	14	12	10	9	8	13	14	14	17		10
	99	25	22	23	19	15	15	11	12	16	20	19	21		14
	Max.	26	23	25	20	16	18	12	15	21	25	20	23	26	14
	Range (1 - 99)	25	22	23	19	15	15	11	12	16	20	19	21		

Table I-5.--Continued

Sub-region	Per-centile	Month J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
58															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	3	2	2	0	0	0	0	2	0	2	3		3
	25	5	4	4	3	2	1	1	1	3	3	5	5		4
	50	8	5	7	5	5	3	3	3	5	5	8	7	5	5
	75	11	9	9	9	6	5	5	5	7	9	11	10		6
	95	15	13	11	13	8	8	8	8	10	13	15	13		7
	99	22	15	20	15	19	15	11	19	12	14	27	30		19
	Max.	23	16	21	16	20	16	12	20	13	15	28	31	31	19
	Range (1 - 99)	22	15	20	15	19	15	11	19	12	14	27	30		
59															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	2	1	0	2	2	2	2	2	0	1	1		2
	25	3	4	3	2	3	3	3	2	2	2	4	3		2
	50	5	7	5	5	5	5	5	3	3	5	7	5	5	4
	75	8	14	9	8	7	9	9	6	6	8	11	8		8
	95	12	21	13	12	10	13	13	10	10	12	16	12		11
	99	15	30	14	24	19	19	15	13	12	19	25	29		18
	Max.	16	31	15	25	20	20	16	15	13	20	26	30	31	18
	Range (1 - 99)	15	30	14	24	19	19	15	13	12	19	25	29		
60															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	3	2	2	0	0	2	2	2	2	0	2	2		3
	25	5	3	4	2	2	3	2	2	3	2	3	4		3
	50	7	5	7	5	5	5	3	3	5	5	5	7	5	4
	75	11	9	11	10	8	9	6	5	7	8	9	13		8
	95	16	14	15	15	12	13	10	7	10	11	13	19		12
	99	25	19	19	30	25	15	12	11	11	15	25	29		19
	Max.	26	20	20	31	26	16	13	12	12	18	26	30	31	19
	Range (1 - 99)	25	19	19	30	25	15	12	11	11	15	25	29		

Table I-5.--Concluded

Sub-region	Per-centile	Month													
		J	F	M	A	M	J	J	A	S	O	N	D	Annual	Range
61															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	1	2	2	2	2	2	2	2	1	1	2	1		1
	25	3	4	4	4	3	3	3	3	2	3	3	3		2
	50	5	6	7	6	5	5	5	4	4	5	5	6	5	3
	75	9	9	10	9	8	8	8	7	7	8	8	9		3
	95	14	12	13	12	12	12	12	10	11	12	12	13		4
	99	23	16	15	16	18	13	18	15	18	15	20	21		10
	Max.	28	26	30	21	34	21	20	31	25	23	28	30	31	11
	Range (1 - 99)	23	16	15	16	18	13	18	15	18	15	20	21		
62															
	Min.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01	0	0	0	0	0	0	0	0	0	0	0	0		0
	05	2	1	2	2	2	2	1	2	0	1	2	2		2
	25	3	3	4	3	3	3	3	3	2	3	3	4		2
	50	5	6	6	5	5	5	5	5	5	5	5	6	5	1
	75	9	9	15	8	7	8	8	7	8	8	8	10		8
	95	13	12	22	11	10	11	11	10	11	11	11	14		12
	99	18	16	30	15	13	15	15	13	15	15	15	18		17
	Max.	20	26	34	18	30	30	21	18	23	21	20	23	34	16
	Range (1 - 99)	18	16	30	15	13	15	15	13	15	15	15	18		

2. Marine Data Summaries

Detailed summaries for 1° squares (miniregions) are included in this section of the report to provide information on the natural variability of the environment within subregions; they are not summarized in comprehensive SSMO publications. The environmental parameters are:

a. **Sea level pressure (mb),**
b. **Air temperature (°F)**
c. **Sea surface temperature (°F),**
d. **Mean relative humidity (%),**
e. **Weather (% frequencies of occurrence at observation time),**
f. **Cloudiness (% frequencies of total sky cover),**
g. **Visibility (% frequency less than 2 n.mi.),**
h. **Wind speed (kt), and**
i. **Wave height (ft, higher of wave or swell).**

These miniregions are identified by three-digit numbers; the first two digits indicate the subregion location and the third digit identifies the 1° square of the miniregion. Referring to fig. I-3, Miniregion 391 is located in Subregion 39 and covers a 1° square of latitude and longitude centered at 44.5°N and 61.5°W.

The edited and updated marine deck at NCC, Asheville, North Carolina (TDF-11) is the source for the marine data summaries. The periods of record are generally 100 yr or more, but they vary from one miniregion to another, and are indicated for each miniregion in table I-6. Except for cloudiness, all the parameters are sea level phenomena.

Table I-6.--Marine data summaries of all data in TDF-11 by months by miniregions

AREA: 321 23-24°N 84-85°W

PERIOD OF RECORD: 1857 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1010.5	1009.4	1010.2	1010.0	1009.3	1008.2	1013.1	1011.1	1004.5	1007.8	1011.0	1013.4
MEDIAN	1018.3	1018.0	1017.1	1016.1	1015.2	1014.9	1016.6	1015.6	1013.5	1013.4	1016.3	1017.6
95% ≤	1023.7	1023.3	1021.7	1020.4	1019.0	1018.6	1019.6	1019.0	1018.0	1018.0	1021.0	1023.4
NUMBER OF OBS	164	159	179	197	181	207	186	208	235	182	200	161
AIR TEMPERATURE (DEGREES F)												
5% ≤	64.9	66.9	68.5	71.1	75.4	78.8	79.9	79.7	78.8	75.9	72.0	66.7
25% ≤	71.1	71.6	73.4	75.9	78.1	80.6	82.0	82.4	82.0	78.6	75.6	72.0
MEDIAN	74.8	75.0	75.9	77.9	79.7	82.0	83.3	83.8	82.9	80.1	77.7	75.0
75% ≤	77.0	77.0	78.1	79.5	81.0	82.9	84.6	85.3	84.2	82.0	79.0	77.4
95% ≤	81.0	80.6	80.1	82.0	84.0	86.0	87.8	88.2	88.0	84.0	81.3	80.1
NUMBER OF OBS	226	211	232	230	220	247	234	264	288	222	234	213
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	71.1	72.1	73.9	73.4	77.0	79.0	81.3	82.0	82.0	78.8	76.6	73.9
MEDIAN	77.0	77.4	78.1	79.0	81.0	82.9	84.0	84.9	84.4	82.9	80.4	78.8
95% ≤	81.0	81.0	81.0	82.0	84.0	86.0	88.0	88.0	87.8	86.4	84.0	82.0
NUMBER OF OBS	204	203	219	221	200	233	228	246	274	214	218	201
MEAN RELATIVE HUMIDITY (%)	76	76	77	78	80	81	77	76	79	78	75	75
NUMBER OF OBS	119	108	112	136	113	125	111	122	158	111	114	106
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	4.1	.8	.7	.0	2.8	2.4	2.7	1.8	4.2	5.3	3.4	2.9
% FREQUENCY OF THUNDER AND LIGHTNING	4.1	3.1	1.5	.7	5.0	6.7	6.7	12.5	9.0	9.3	6.0	3.6
NUMBER OF OBS	146	128	137	139	141	165	149	168	212	151	149	140
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	41.7	48.1	49.2	48.2	48.9	40.1	43.2	38.1	32.3	31.0	31.8	40.2
% FREQUENCY 7-8 OKTAS OR OBSCURED	18.0	17.3	15.7	10.1	16.9	19.8	12.0	8.8	19.1	22.1	22.5	20.6
NUMBER OF OBS	228	208	236	228	225	252	241	273	288	226	236	214
VISIBILITY (% FREQUENCY < 2 N. MI.)	.6	.0	.0	.0	.0	.0	.0	.0	.4	1.7	.0	.6
NUMBER OF OBS	177	157	176	186	170	188	168	181	234	174	168	172
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	.9	.0	.0	.0	.0	2.4	.0	.0	3.4	1.3	.0	.5
5% ≤	2.0	2.0	2.0	3.8	2.0	2.0	2.0	.5	2.0	2.5	4.0	2.0
MEDIAN	12.0	10.0	11.0	11.0	10.0	9.0	9.0	8.0	10.0	13.0	13.0	13.0
95% ≤	24.0	21.0	23.1	23.0	20.0	20.0	18.0	18.0	25.0	30.0	24.0	21.0
NUMBER OF OBS	228	214	238	235	225	252	243	269	296	225	236	216
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEDIAN	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6	3.3	3.3	3.3	3.3
95% ≤	7.5	7.9	9.8	8.7	8.2	6.6	4.9	4.9	9.8	9.8	8.2	8.2
% FREQUENCY ≥ 5 FT	41.3	36.5	43.8	36.8	28.8	19.1	13.8	14.0	42.4	40.3	47.6	44.5
% FREQUENCY ≥ 8 FT	5.5	5.8	10.5	8.8	6.3	3.5	.9	.8	13.9	10.5	8.9	6.4
% FREQUENCY ≥ 12 FT	.9	2.9	3.8	1.8	1.8	.0	.0	.0	4.6	4.8	.0	.0
NUMBER OF OBS	109	104	105	114	111	115	116	129	151	124	124	110

Table I-6.--Continued

AREA: 322 21-22°N 86-87°W PERIOD OF RECORD: 1870 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1012.2	1011.5	1010.5	1009.1	1010.0	1009.7	1012.9	1011.3	1008.5	1008.3	1011.7	1012.5
MEDIAN	1018.3	1018.0	1016.0	1015.2	1014.6	1014.5	1016.2	1015.2	1012.9	1013.3	1015.9	1017.6
95% ≤	1023.5	1026.2	1022.8	1020.0	1018.5	1018.1	1019.1	1018.6	1015.7	1017.6	1020.3	1023.0
NUMBER OF OBS	374	400	308	368	392	351	334	346	349	387	368	316
AIR TEMPERATURE (DEGREES F)												
5% ≤	68.7	69.8	73.0	75.0	77.0	78.1	80.1	80.1	78.3	77.0	73.9	71.1
25% ≤	73.4	73.9	75.9	78.1	79.0	81.0	82.0	82.0	82.0	80.1	77.0	73.9
MEDIAN	75.9	76.8	78.1	79.0	81.0	82.0	82.9	82.9	82.9	82.0	79.0	77.0
75% ≤	78.1	78.1	79.3	81.0	82.0	84.0	84.0	84.7	84.0	82.9	80.1	79.0
95% ≤	81.0	80.8	82.0	84.7	84.9	88.0	86.0	88.0	87.4	85.6	82.9	81.5
NUMBER OF OBS	384	414	325	386	394	364	350	354	369	395	400	340
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	73.9	73.9	73.6	75.2	77.7	79.0	80.1	80.6	80.1	79.7	77.0	73.9
MEDIAN	78.8	78.1	78.8	80.1	82.0	82.9	84.0	84.2	84.0	84.0	82.0	80.1
95% ≤	82.0	82.0	82.0	84.0	84.9	86.0	87.1	88.0	87.1	87.1	86.0	84.0
NUMBER OF OBS	375	392	308	376	377	335	324	324	345	382	372	324
MEAN RELATIVE HUMIDITY (%)	76	76	77	79	79	81	81	80	81	79	75	76
NUMBER OF OBS	247	234	230	302	314	288	264	280	267	324	308	258
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	2.7	2.8	1.4	.3	1.1	1.5	2.2	2.2	4.6	4.1	5.3	2.3
% FREQUENCY OF THUNDER AND LIGHTNING	4.2	1.7	1.4	2.9	4.0	6.2	5.6	8.3	12.3	10.7	4.2	5.0
NUMBER OF OBS	331	363	283	341	350	324	322	324	326	366	358	302
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	31.6	33.8	39.6	38.1	45.0	33.1	41.7	39.8	25.5	29.7	26.8	33.1
% FREQUENCY 7-8 OKTAS OR OBSCURED	21.8	22.2	13.8	13.7	18.3	21.2	11.8	12.2	23.4	22.6	18.8	19.8
NUMBER OF OBS	386	414	326	388	393	363	355	352	372	394	400	338
VISIBILITY (% FREQUENCY < 2 N. MI.)	.8	.5	.7	.5	.5	.6	.0	.0	1.2	.8	.3	.3
NUMBER OF OBS	367	382	303	369	379	347	334	341	341	384	382	318
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	.8	.2	.6	.3	.0	.3	.0	.0	1.1	.3	2.3	.6
5% ≤	4.0	4.0	2.0	5.0	4.0	3.0	2.7	1.0	2.0	3.0	5.0	4.0
MEDIAN	12.0	12.0	12.0	12.0	10.0	10.0	9.0	8.0	9.0	12.0	13.0	13.0
95% ≤	24.3	21.0	22.0	22.0	18.0	20.0	16.0	15.0	20.0	24.0	25.0	25.0
NUMBER OF OBS	394	414	326	390	395	363	354	351	372	396	400	341
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	.0	.0	1.6	.0	.0	.0	.0	.0	.0	1.6	1.6
MEDIAN	3.3	3.3	3.3	3.3	3.3	3.3	3.3	1.6	3.3	3.3	4.9	4.9
95% ≤	8.2	8.2	8.2	8.2	6.6	6.6	6.6	4.9	6.6	9.8	8.2	9.5
% FREQUENCY ≥ 5 FT	47.5	43.9	42.5	43.7	32.1	34.4	18.9	15.1	26.8	39.9	50.9	51.6
% FREQUENCY ≥ 8 FT	8.7	5.3	8.8	9.1	2.0	4.8	1.7	1.2	2.7	10.7	10.5	10.7
% FREQUENCY ≥ 12 FT	.8	1.0	.9	1.4	.0	1.2	.0	.4	.4	1.9	.4	3.3
NUMBER OF OBS	265	301	228	286	296	250	238	251	257	308	285	244

Table I-6.--Continued

AREA: 331 24-25°N 87-88°W PERIOD OF RECORD: 1858 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1012.5	1009.1	1009.1	1008.5	1010.4	1010.4	1013.9	1011.9	1008.3	1007.8	1012.2	1012.7
MEDIAN	1019.6	1017.6	1016.6	1016.9	1015.6	1015.4	1017.1	1016.3	1013.5	1014.6	1017.3	1019.1
95% ≤	1025.0	1024.5	1023.2	1021.7	1019.4	1019.3	1020.4	1019.9	1017.3	1020.0	1022.7	1024.7
NUMBER OF OBS	286	299	288	280	315	313	291	309	352	368	340	297
AIR TEMPERATURE (DEGREES F)												
5% ≤	64.0	64.4	66.4	69.6	75.0	79.0	80.1	80.6	79.5	75.0	70.0	66.9
25% ≤	70.0	70.0	72.0	73.9	78.1	80.8	82.0	82.0	82.0	78.1	73.9	71.2
MEDIAN	73.0	73.9	75.0	77.0	80.1	82.0	82.9	84.0	82.9	80.1	77.0	75.0
75% ≤	75.9	77.0	78.1	79.0	81.9	82.9	84.2	84.9	84.0	82.0	79.0	78.1
95% ≤	80.1	81.0	81.3	82.9	86.0	87.1	87.1	88.0	88.0	84.2	82.8	80.6
NUMBER OF OBS	302	323	295	295	323	330	302	316	369	385	355	319
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	72.0	72.0	72.0	73.9	77.0	80.1	80.8	82.0	80.1	79.5	77.0	73.9
MEDIAN	78.1	78.1	78.1	79.2	82.0	82.9	84.0	84.9	84.2	83.1	82.0	80.1
95% ≤	82.0	82.0	82.0	82.9	84.7	86.0	87.1	88.0	88.0	86.0	84.9	84.0
NUMBER OF OBS	273	298	263	279	303	315	265	285	334	365	316	302
MEAN RELATIVE HUMIDITY (%)	76	75	78	77	77	80	78	78	80	76	74	74
NUMBER OF OBS	238	236	238	240	259	262	229	245	276	296	285	260
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	2.2	2.7	1.4	.7	2.3	1.3	2.5	1.9	4.1	1.9	2.3	.7
% FREQUENCY OF THUNDER AND LIGHTNING	2.9	3.7	1.4	2.1	3.9	4.9	6.5	9.3	6.4	7.9	2.6	3.1
NUMBER OF OBS	277	296	281	280	306	305	277	311	343	365	341	288
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	33.2	34.9	33.6	36.9	42.5	37.7	38.7	32.7	29.8	25.1	29.2	25.8
% FREQUENCY 7-8 OKTAS OR OBSCURED	28.2	18.5	24.3	18.1	13.7	17.2	11.4	12.6	27.9	20.2	20.2	26.1
NUMBER OF OBS	301	324	292	293	322	332	297	318	369	387	356	318
VISIBILITY (% FREQUENCY < 2 N. MI.)	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.6	.0
NUMBER OF OBS	290	307	288	286	318	314	299	315	351	378	348	291
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	1.3	.6	.3	.0	.0	.0	.0	.0	.5	.8	.6	.9
5% ≤	3.1	5.0	5.0	3.0	3.0	2.0	.0	.0	2.0	3.0	3.9	3.1
MEDIAN	12.0	12.0	13.0	13.0	10.0	9.0	6.5	8.0	10.0	12.0	13.0	12.0
95% ≤	25.0	24.0	24.0	22.0	19.7	18.0	16.0	15.2	24.0	25.0	25.0	25.0
NUMBER OF OBS	301	325	294	293	323	331	301	316	370	389	357	321
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	.0	1.6	1.6	.0	.0	.0	.0	.0	.0	1.5	.0
MEDIAN	3.3	3.3	3.3	3.3	3.3	3.3	1.6	1.6	3.3	3.3	4.9	3.3
95% ≤	9.8	9.8	8.2	8.2	6.6	4.9	4.9	4.9	6.6	8.2	9.8	8.2
% FREQUENCY ≥ 5 FT	47.2	45.6	46.9	40.6	34.5	17.9	13.9	10.9	28.7	44.1	54.5	43.8
% FREQUENCY ≥ 8 FT	13.9	13.7	7.5	6.1	3.6	1.3	1.0	1.3	4.6	10.0	15.6	11.5
% FREQUENCY ≥ 12 FT	3.2	5.0	2.7	1.3	.0	.0	.0	.8	1.1	1.7	4.3	.9
NUMBER OF OBS	216	241	226	229	249	234	201	239	261	299	257	235

Table I-6.--Continued

AREA: 332 26-27°N 84-85°W

PERIOD OF RECORD: 1867 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1010.5	1009.4	1010.5	1010.5	1011.0	1011.2	1013.7	1012.2	1009.7	1009.4	1010.8	1013.9
MEDIAN	1019.8	1018.9	1017.6	1018.0	1016.6	1015.9	1017.6	1016.3	1015.2	1015.6	1018.1	1019.3
95% ≤	1027.0	1025.4	1025.0	1023.4	1021.4	1020.4	1021.3	1020.0	1019.0	1020.9	1024.4	1026.6
NUMBER OF OBS	261	233	280	270	297	277	274	301	275	275	266	252
AIR TEMPERATURE (DEGREES F)												
5% ≤	59.2	59.0	60.8	67.5	72.0	77.0	80.1	80.1	79.0	70.3	64.9	61.9
25% ≤	65.3	64.9	68.0	72.0	75.9	80.1	82.0	82.4	81.1	77.0	73.0	68.0
MEDIAN	70.0	69.8	71.6	73.9	78.1	82.0	82.9	83.7	82.9	80.1	75.0	71.6
75% ≤	73.0	73.0	74.8	77.0	80.6	83.3	84.9	84.9	84.2	82.0	77.0	75.0
95% ≤	77.0	77.0	79.7	81.0	84.0	87.1	88.0	89.1	87.1	84.2	81.0	79.0
NUMBER OF OBS	280	266	310	287	324	299	316	337	291	301	289	286
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	69.1	66.9	68.0	71.1	73.9	79.0	80.6	82.0	80.6	76.3	73.9	71.6
MEDIAN	73.4	73.0	73.4	75.2	79.0	82.4	84.9	85.8	84.2	82.0	78.8	75.0
95% ≤	79.0	78.1	79.0	81.0	82.9	86.0	88.0	88.0	88.0	85.5	82.9	80.6
NUMBER OF OBS	267	256	291	271	311	296	301	328	279	291	279	276
MEAN RELATIVE HUMIDITY (%)	78	76	79	78	78	78	76	76	78	75	74	75
NUMBER OF OBS	225	198	242	206	248	245	216	256	237	219	221	220
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	4.4	3.5	2.9	.8	1.4	2.1	2.7	4.1	5.0	4.0	1.5	1.2
% FREQUENCY OF THUNDER AND LIGHTNING	4.0	4.3	2.9	.4	2.1	5.6	8.1	9.9	6.5	4.5	1.5	1.5
NUMBER OF OBS	225	231	272	258	282	285	259	294	260	247	264	260
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	30.9	30.4	36.8	47.9	41.4	35.8	35.1	30.5	25.0	33.4	37.3	34.0
% FREQUENCY 7-8 OKTAS OR OBSCURED	29.8	35.7	31.6	18.3	18.1	13.2	13.7	16.9	23.6	17.1	17.1	23.5
NUMBER OF OBS	272	263	304	290	326	302	313	325	288	293	292	285
VISIBILITY (% FREQUENCY < 2 N. MI.)	.8	.8	1.7	.0	.0	.3	.4	.0	.4	.4	.0	.4
NUMBER OF OBS	265	255	292	275	298	288	278	307	274	277	280	276
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	.7	1.5	.6	.0	.0	.0	.0	.0	.7	.3	.0	.3
5% ≤	4.0	5.0	3.0	4.0	2.0	.0	.0	.0	2.0	3.0	3.0	4.5
MEDIAN	13.0	13.0	12.0	12.0	10.0	9.0	8.0	7.0	10.0	12.0	13.0	12.0
95% ≤	25.0	25.7	22.0	23.0	18.0	16.0	16.0	16.1	21.0	22.0	25.0	25.0
NUMBER OF OBS	280	266	308	290	327	302	315	338	290	305	297	289
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6
MEDIAN	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3
95% ≤	8.2	8.2	8.2	6.6	6.6	4.9	4.9	4.9	6.6	8.2	8.2	8.2
% FREQUENCY ≥ 5 FT	36.5	38.2	37.2	29.8	17.6	10.0	8.8	9.6	24.8	30.7	40.3	43.1
% FREQUENCY ≥ 8 FT	7.8	12.1	8.4	3.1	2.0	1.3	.0	1.6	3.5	6.1	6.2	8.3
% FREQUENCY ≥ 12 FT	2.1	.5	1.3	1.3	.8	.4	.0	.4	.9	.5	2.5	2.3
NUMBER OF OBS	192	199	226	225	244	239	215	249	226	212	243	216

Table I-6.--Continued

AREA: 333 22-23°N 92-93°W

PERIOD OF RECORD: 1883 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1010.9	1008.7	1005.8	1007.8	1008.4	1007.1	1011.2	1010.6	1006.0	1009.5	1010.8	1010.6
MEDIAN	1018.3	1016.6	1014.2	1014.2	1013.9	1012.9	1014.6	1014.6	1012.5	1015.2	1016.4	1017.3
95% ≤	1026.3	1023.5	1023.5	1020.7	1020.5	1016.9	1018.6	1017.8	1015.2	1019.5	1022.6	1023.7
NUMBER OF OBS	68	74	84	60	69	58	59	66	58	50	74	69
AIR TEMPERATURE (DEGREES F)												
5% ≤	67.1	65.7	69.6	71.6	73.6	79.0	80.1	80.6	79.7	75.2	73.0	69.1
25% ≤	71.1	71.1	73.0	74.3	78.4	80.6	82.0	82.2	82.4	79.0	75.2	73.0
MEDIAN	74.3	73.4	75.2	77.0	79.7	82.0	82.9	83.3	83.1	80.8	77.4	75.2
75% ≤	75.9	74.3	77.0	79.0	81.5	82.9	84.2	84.9	84.4	82.8	79.0	77.4
95% ≤	78.3	77.0	81.5	82.0	83.8	86.0	88.0	90.0	87.4	88.0	82.0	81.0
NUMBER OF OBS	76	85	99	79	82	71	75	95	79	65	90	85
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	71.1	69.4	71.2	71.1	73.2	79.7	80.6	80.2	77.0	77.7	76.1	72.0
MEDIAN	74.7	73.4	74.8	75.7	78.8	82.0	83.7	84.2	83.8	82.0	78.3	77.0
95% ≤	78.1	78.1	78.6	79.0	82.2	84.9	86.0	87.1	86.0	86.0	82.0	80.8
NUMBER OF OBS	70	69	83	65	68	54	62	88	69	52	80	75
MEAN RELATIVE HUMIDITY (%)	81	83	83	81	80	84	79	80	82	79	78	76
NUMBER OF OBS	40	42	40	32	29	32	32	30	32	21	34	38
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	2.0	.0	1.5	.0	2.4	.0	.0	.0	2.4	.0	3.7	1.8
% FREQUENCY OF THUNDER AND LIGHTNING	.0	.0	.0	.0	2.4	2.0	6.1	3.9	16.7	.0	3.7	.0
NUMBER OF OBS	49	56	67	51	42	51	49	51	42	45	54	55
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	35.4	35.3	35.3	43.0	38.6	34.7	45.5	52.1	22.8	43.9	31.5	31.0
% FREQUENCY 7-8 OKTAS OR OBSCURED	21.5	23.5	17.6	19.0	14.5	5.6	9.1	4.2	19.0	10.6	8.7	23.8
NUMBER OF OBS	79	85	102	79	83	72	77	96	79	66	92	84
VISIBILITY (% FREQUENCY < 2 N. MI.)	.0	.0	.0	.0	.0	1.9	.0	.0	2.1	.0	.0	.0
NUMBER OF OBS	55	60	69	57	51	53	51	62	48	49	63	65
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.6	.0	1.2
5% ≤	5.0	3.4	5.0	5.0	2.3	4.6	1.9	1.6	2.0	1.2	3.0	2.0
MEDIAN	11.5	12.0	13.0	12.0	13.0	13.0	10.0	9.0	9.5	9.0	11.5	13.0
95% ≤	24.0	26.3	24.0	20.0	20.0	20.0	18.0	16.4	23.3	23.6	18.0	22.0
NUMBER OF OBS	79	87	101	80	82	72	77	96	79	64	91	85
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.3	.0	1.6	1.1	.7	2.5	.0	.0	1.6	.5	.0	.0
MEDIAN	4.9	3.3	3.3	3.3	3.3	3.3	3.3	1.6	3.3	3.3	3.3	4.1
95% ≤	10.2	10.0	6.6	7.1	7.5	7.4	6.6	5.2	8.2	8.2	4.9	6.9
% FREQUENCY ≥ 5 FT	52.8	34.2	45.5	35.3	39.3	50.0	25.0	13.9	48.0	34.6	26.3	51.4
% FREQUENCY ≥ 8 FT	13.9	15.8	4.5	5.9	7.1	6.7	2.8	.0	12.0	15.4	2.6	5.4
% FREQUENCY ≥ 12 FT	5.6	5.3	.0	.0	3.6	.0	2.8	.0	4.0	.0	.0	.0
NUMBER OF OBS	36	38	44	34	28	30	36	36	25	26	38	37

Table I-6.--Continued

AREA: 341 25-26°N 92-93°W

PERIOD OF RECORD: 1870 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1011.3	1009.1	1007.8	1008.1	1008.6	1009.6	1013.2	1011.0	1007.4	1008.6	1010.5	1011.2
MEDIAN	1019.3	1017.8	1017.0	1015.8	1015.1	1015.0	1016.3	1015.6	1013.9	1015.7	1018.0	1018.3
95% ≤	1028.1	1025.5	1026.9	1021.3	1020.3	1019.0	1020.0	1019.3	1018.0	1021.3	1024.0	1025.4
NUMBER OF OBS	225	200	210	203	224	224	205	259	237	246	219	206
AIR TEMPERATURE (DEGREES F)												
5% ≤	59.0	60.1	63.3	69.1	73.9	78.8	79.9	81.0	79.0	72.0	66.0	64.2
25% ≤	65.3	66.0	69.1	73.0	77.0	80.6	82.4	82.9	82.0	77.4	72.0	69.1
MEDIAN	70.0	69.6	71.6	75.0	78.8	82.0	84.0	84.6	82.9	80.1	75.2	72.0
75% ≤	73.0	73.4	73.9	77.0	80.6	84.0	85.5	86.0	84.9	82.0	78.1	75.0
95% ≤	75.9	77.0	78.3	81.7	82.9	88.0	88.0	89.6	88.0	84.9	81.0	78.1
NUMBER OF OBS	227	203	217	209	229	231	209	259	241	256	234	213
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	68.0	68.0	68.0	70.0	73.9	79.0	82.0	82.9	81.0	78.1	73.9	72.0
MEDIAN	73.0	72.0	72.0	73.9	79.0	82.4	84.9	86.0	84.9	82.0	78.8	75.9
95% ≤	77.0	77.0	75.9	78.8	82.0	84.9	88.0	88.0	87.1	86.0	82.0	79.0
NUMBER OF OBS	218	201	210	200	224	221	197	249	234	249	210	200
MEAN RELATIVE HUMIDITY (%)	76	76	79	82	80	78	77	75	76	73	75	75
NUMBER OF OBS	214	191	209	196	217	218	190	235	216	232	205	191
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	3.1	4.0	3.3	.0	.0	.9	2.9	1.2	3.0	2.0	1.7	2.4
% FREQUENCY OF THUNDER AND LIGHTNING	4.9	.5	1.9	.5	1.8	5.8	10.2	11.2	10.2	5.3	2.1	2.4
NUMBER OF OBS	225	200	215	203	224	226	205	259	236	245	234	208
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	20.4	25.6	22.3	30.1	33.6	40.0	31.3	27.0	24.2	30.2	34.2	24.8
% FREQUENCY 7-8 OKTAS OR OBSCURED	43.4	32.5	32.7	25.7	17.3	8.7	13.9	13.9	24.6	19.6	25.7	31.9
NUMBER OF OBS	226	203	211	206	226	230	208	259	244	255	237	210
VISIBILITY (% FREQUENCY < 2 N. MI.)	.4	.5	1.4	.5	.0	.0	.0	.0	.0	.0	1.3	.0
NUMBER OF OBS	226	201	215	204	227	227	206	257	241	251	235	209
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	2.2	.0	.5	.5	.0	.0	.0	.0	.4	.4	.0	.0
5% ≤	4.0	4.0	4.0	4.5	2.4	2.0	.0	.0	3.0	4.0	4.0	3.0
MEDIAN	14.0	14.0	13.0	13.0	12.0	10.0	10.0	10.0	10.0	10.0	14.0	12.0
95% ≤	26.7	25.0	25.0	24.0	21.6	18.0	16.0	16.0	22.8	25.0	25.0	25.0
NUMBER OF OBS	227	204	216	209	228	231	208	260	244	256	226	213
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.5	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEDIAN	4.9	3.3	3.3	3.3	3.3	3.3	1.6	3.3	3.3	3.3	3.3	3.3
95% ≤	9.8	8.2	8.2	8.2	8.2	4.9	4.9	6.6	9.8	9.2	8.2	8.2
% FREQUENCY ≥ 5 FT	53.4	49.5	43.8	41.1	36.7	16.5	12.2	17.5	37.2	37.7	41.7	45.1
% FREQUENCY ≥ 8 FT	13.1	11.2	9.4	6.8	6.3	.5	.0	2.1	7.0	7.9	7.0	8.3
% FREQUENCY ≥ 12 FT	1.9	2.1	1.0	.0	.5	.0	.0	1.3	2.8	3.9	1.5	1.0
NUMBER OF OBS	206	188	203	192	207	212	180	234	215	228	199	193

Table I-6.--Continued

AREA: 342 26-27°N 90-91°W

PERIOD OF RECORD: 1884 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1011.6	1010.2	1007.9	1008.3	1009.9	1009.9	1013.2	1011.9	1008.1	1009.5	1011.9	1011.2
MEDIAN	1020.3	1018.6	1016.6	1016.2	1015.9	1015.6	1017.0	1015.9	1014.2	1015.9	1018.3	1019.3
95% ≤	1028.1	1025.8	1023.9	1021.7	1020.0	1019.6	1020.7	1019.3	1018.3	1021.3	1024.7	1027.0
NUMBER OF OBS	512	473	512	440	465	546	542	518	540	518	468	514
AIR TEMPERATURE (DEGREES F)												
5% ≤	59.0	59.0	62.1	66.9	72.9	78.1	79.7	80.1	78.1	72.0	66.0	61.0
25% ≤	65.3	66.0	69.1	72.0	75.9	80.1	82.0	82.4	81.0	75.9	72.0	66.9
MEDIAN	70.0	70.0	72.0	75.0	78.1	82.0	83.8	84.0	82.4	79.0	75.0	71.1
75% ≤	73.0	73.4	75.0	77.0	81.0	84.0	86.0	85.6	84.2	81.0	77.4	75.0
95% ≤	77.0	78.1	79.0	81.0	84.9	88.0	89.1	90.0	88.0	84.9	81.0	78.1
NUMBER OF OBS	535	492	536	460	484	555	561	554	565	548	506	536
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	69.1	68.0	68.0	71.1	75.0	79.5	82.4	82.0	82.0	78.1	73.9	71.1
MEDIAN	73.0	73.0	73.9	75.0	78.8	82.4	84.9	86.0	84.9	82.0	78.1	75.9
95% ≤	78.1	78.1	78.1	79.0	82.4	86.0	88.0	88.0	87.8	86.0	82.4	79.0
NUMBER OF OBS	518	472	509	435	478	542	543	537	549	540	485	525
MEAN RELATIVE HUMIDITY (%)	77	77	80	82	80	79	77	77	79	74	75	75
NUMBER OF OBS	388	352	372	351	367	432	399	402	424	391	364	383
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	3.8	1.5	2.8	1.2	1.3	1.8	2.1	2.3	4.1	1.9	2.9	2.6
% FREQUENCY OF THUNDER AND LIGHTNING	2.6	1.3	2.8	2.6	2.2	3.9	9.2	11.6	10.7	4.4	3.1	3.4
NUMBER OF OBS	505	468	503	428	456	543	531	519	542	526	481	501
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	27.9	35.4	30.1	34.6	43.2	45.4	34.9	35.9	26.2	32.3	35.4	27.4
% FREQUENCY 7-8 OKTAS OR OBSCURED	36.4	29.2	34.6	29.1	15.6	11.4	15.2	16.3	24.2	18.7	24.3	34.0
NUMBER OF OBS	530	486	535	454	482	555	558	551	565	551	511	530
VISIBILITY (% FREQUENCY < 2 N. MI.)	.0	.0	1.0	.7	.6	.5	.4	.2	.7	.2	.4	.2
NUMBER OF OBS	521	480	521	445	471	551	544	537	552	539	491	516
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	1.1	1.6	.4	.0	.0	.4	.0	.0	1.8	.7	.6	1.1
5% ≤	4.0	4.0	5.0	4.8	3.0	.9	.0	.0	2.0	4.0	4.0	4.0
MEDIAN	14.0	13.0	13.0	12.0	10.0	10.0	9.0	8.0	11.0	13.0	12.0	13.0
95% ≤	27.0	25.0	25.0	24.0	20.0	20.0	17.0	16.0	24.7	25.0	24.0	25.0
NUMBER OF OBS	532	491	536	455	484	557	560	554	566	554	508	539
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEDIAN	3.3	3.3	3.3	3.3	3.3	3.3	1.6	1.6	3.3	3.3	3.3	3.3
95% ≤	9.8	8.2	8.2	8.2	6.6	6.6	4.9	4.9	8.2	9.8	8.2	8.2
% FREQUENCY ≥ 5 FT	47.2	41.2	43.3	38.8	28.6	20.2	13.0	13.1	31.5	41.1	37.6	42.5
% FREQUENCY ≥ 8 FT	11.5	8.8	8.8	5.8	2.6	3.4	1.5	1.7	7.7	9.5	7.6	8.1
% FREQUENCY ≥ 12 FT	2.4	1.7	1.9	.5	.5	.4	.0	.2	2.7	3.8	1.5	1.5
NUMBER OF OBS	460	420	464	397	420	504	476	475	483	475	410	459

Table I-6.--Continued

AREA: 351 23-24°N 95-96°W

PERIOD OF RECORD: 1889 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1012.3	1007.9	1006.3	1008.0	1007.2	1007.9	1012.5	1010.0	1009.1	1009.6	1009.3	1010.2
MEDIAN	1020.3	1016.4	1016.1	1014.0	1012.9	1012.5	1015.9	1014.7	1013.2	1015.0	1016.6	1017.9
95% ≤	1026.4	1026.0	1026.6	1020.8	1018.2	1016.8	1018.8	1017.9	1017.2	1019.3	1024.0	1027.1
NUMBER OF OBS	32	73	51	37	54	70	70	63	65	81	51	61
AIR TEMPERATURE (DEGREES F)												
5% ≤	66.9	64.0	64.9	72.1	73.9	79.2	82.0	80.6	78.3	75.2	69.6	63.9
25% ≤	70.3	69.6	71.1	75.0	77.0	81.0	82.9	83.5	82.0	79.3	75.0	70.0
MEDIAN	73.0	72.0	73.0	75.9	79.3	82.0	84.0	84.9	84.0	80.6	76.3	73.9
75% ≤	75.4	75.0	75.2	78.1	81.1	82.9	85.3	86.0	84.9	82.9	78.4	75.9
95% ≤	77.0	79.0	79.0	82.9	84.6	86.0	88.2	88.0	87.8	86.0	80.1	79.2
NUMBER OF OBS	37	81	62	44	67	86	79	70	83	94	56	78
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	70.3	68.0	69.1	71.8	70.5	77.7	81.1	79.9	79.2	77.0	72.1	71.1
MEDIAN	74.5	73.0	73.0	75.9	79.0	81.9	84.2	84.7	84.0	81.0	78.4	75.9
95% ≤	77.0	77.0	75.6	78.8	82.0	85.3	86.0	86.0	87.4	84.9	81.0	78.1
NUMBER OF OBS	20	39	42	22	43	52	47	45	44	50	39	48
MEAN RELATIVE HUMIDITY (%)	87	78	79	86	85	83	78	76	77	75	75	77
NUMBER OF OBS	16	55	36	25	37	50	46	46	45	42	34	52
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	6.3	2.9	.0	.0	.0	3.0	.0	1.6	7.7	4.5	2.2	1.7
% FREQUENCY OF THUNDER AND LIGHTNING	.0	.0	.0	.0	1.9	1.5	.0	6.5	7.7	6.1	2.2	1.7
NUMBER OF OBS	32	70	43	40	52	67	69	62	65	66	46	60
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	19.0	27.2	26.6	23.9	30.4	31.8	28.6	34.2	25.0	25.8	33.3	25.0
% FREQUENCY 7-8 OKTAS OR OBSCURED	21.4	35.8	39.1	30.4	29.0	17.6	13.1	13.7	19.3	17.5	30.2	36.3
NUMBER OF OBS	42	81	64	46	69	85	84	73	88	97	63	80
VISIBILITY (% FREQUENCY < 2 N. MI.)	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0
NUMBER OF OBS	36	77	51	41	60	76	74	65	74	75	54	68
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	2.4	1.2	.0	.0	.0	1.2	.0	.0	.0	.0	3.2	1.3
5% ≤	5.0	2.0	2.2	3.1	5.0	2.3	2.0	.0	2.0	2.0	2.2	4.0
MEDIAN	10.0	10.5	11.0	12.0	13.0	10.0	10.0	9.0	10.0	9.0	10.5	13.0
95% ≤	21.0	29.9	23.4	20.7	20.0	20.0	18.0	16.0	20.6	22.3	25.9	28.0
NUMBER OF OBS	41	81	63	47	69	85	84	73	88	97	63	80
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	.0	1.3	1.1	.3	1.5	.0	.0	.0	.0	.0	.5
MEDIAN	3.3	3.3	4.1	3.3	3.3	3.3	2.5	1.6	1.6	1.6	3.3	3.3
95% ≤	7.7	10.0	10.3	4.9	6.6	4.9	4.9	4.3	4.9	7.2	8.7	9.8
% FREQUENCY ≥ 5 FT	42.3	39.7	51.4	45.5	39.5	26.3	19.1	6.1	22.4	23.1	35.3	35.6
% FREQUENCY ≥ 8 FT	7.7	6.9	17.1	.0	4.7	1.8	.0	.0	.0	5.8	8.8	13.3
% FREQUENCY ≥ 12 FT	.0	5.2	5.7	.0	.0	.0	.0	.0	.0	1.9	2.9	4.4
NUMBER OF OBS	26	58	35	33	43	57	47	49	49	52	34	45

Table I-6.--Continued

AREA: 36 21-26°N 96-98°W

PERIOD OF RECORD: 1870 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤												
MEDIAN												
95% ≤												
NUMBER OF OBS												
AIR TEMPERATURE (DEGREES F)												
5% ≤												
25% ≤												
MEDIAN												
75% ≤												
95% ≤												
NUMBER OF OBS												
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤												
MEDIAN												
95% ≤												
NUMBER OF OBS												
MEAN RELATIVE HUMIDITY (%)												
NUMBER OF OBS					INSUFFICIENT DATA			FOR SUMMARY				
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION												
% FREQUENCY OF THUNDER AND LIGHTNING												
NUMBER OF OBS												
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS												
% FREQUENCY 7-8 OKTAS OR OBSCURED												
NUMBER OF OBS												
VISIBILITY (% FREQUENCY < 2 N. MI.)												
NUMBER OF OBS												
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS												
5% ≤												
MEDIAN												
95% ≤												
NUMBER OF OBS												

Table I-6.--Continued

AREA: 371 20-21°N 94-95°W

PERIOD OF RECORD: 1870 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1009.1	1007.4	1007.0	1004.6	1004.4	1006.7	1009.4	1009.9	1007.5	1007.7	1009.1	1010.7
MEDIAN	1019.0	1015.5	1013.9	1012.9	1011.1	1012.2	1013.9	1014.0	1012.2	1012.5	1015.6	1017.8
95% ≤	1025.1	1023.1	1020.3	1019.5	1016.6	1015.9	1016.8	1017.2	1017.6	1019.0	1022.9	1022.7
NUMBER OF OBS	61	87	67	57	68	93	74	77	58	84	82	61
AIR TEMPERATURE (DEGREES F)												
5% ≤	68.5	65.8	69.8	73.4	75.9	77.9	78.8	79.5	78.8	75.9	73.6	69.1
25% ≤	72.0	71.1	73.8	75.6	79.0	81.0	81.0	82.0	81.1	78.8	75.9	73.0
MEDIAN	73.9	73.8	75.0	77.0	80.2	82.0	82.2	83.3	82.6	81.0	78.1	75.2
75% ≤	75.7	76.1	76.3	79.0	81.7	84.0	84.0	84.9	84.2	82.4	80.1	77.0
95% ≤	79.2	79.0	80.1	82.6	84.4	86.0	88.0	87.4	86.0	84.9	83.8	79.0
NUMBER OF OBS	98	114	100	90	91	120	99	110	92	116	124	95
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	71.1	70.0	71.2	74.1	75.2	79.9	80.6	81.0	81.3	78.6	76.1	71.8
MEDIAN	74.5	74.3	74.8	77.4	80.2	82.2	82.9	84.2	83.7	82.0	79.0	76.1
95% ≤	76.8	77.0	78.3	81.0	82.4	86.0	84.9	86.0	86.0	84.9	82.4	79.0
NUMBER OF OBS	87	94	95	87	83	101	93	95	75	95	112	84
MEAN RELATIVE HUMIDITY (%)	85	84	83	85	85	83	80	80	80	81	79	83
NUMBER OF OBS	40	45	31	28	31	50	42	47	38	49	44	38
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	7.4	.0	2.5	.0	.0	1.4	1.8	7.6	6.3	4.8	4.3	9.4
% FREQUENCY OF THUNDER AND LIGHTNING	1.9	5.6	.0	.0	4.3	7.0	10.5	4.5	4.2	7.9	2.9	5.7
NUMBER OF OBS	54	72	40	38	47	71	57	66	48	63	69	53
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	41.6	44.1	56.9	48.4	50.5	43.1	33.3	30.1	34.0	23.7	34.4	38.1
% FREQUENCY 7-8 OKTAS OR OBSCURED	30.7	29.7	18.6	14.7	12.4	14.6	16.2	12.4	24.5	28.8	20.0	35.1
NUMBER OF OBS	101	118	102	95	97	123	105	113	94	118	125	97
VISIBILITY (% FREQUENCY < 2 N. MI.)	.0	2.4	.0	.0	1.6	.0	.0	1.3	1.6	2.5	.0	.0
NUMBER OF OBS	71	85	54	58	62	86	70	79	61	79	87	67
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	2.0	2.5	.0	.0	.0	.0	.0	.0	1.1	.0	1.6	.0
5% ≤	2.0	4.0	2.0	3.4	1.6	4.0	2.0	1.6	2.0	2.0	2.0	.0
MEDIAN	9.5	11.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10.0	9.0	9.0
95% ≤	25.1	27.1	18.0	18.3	18.0	18.0	16.8	15.4	20.0	25.0	24.0	22.2
NUMBER OF OBS	99	119	101	94	96	123	104	112	92	120	126	98
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.2	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.2
MEDIAN	3.3	3.3	1.6	3.3	3.3	3.3	1.6	1.6	3.3	4.9	3.3	3.3
95% ≤	11.5	11.5	6.6	5.4	6.6	4.9	6.6	4.9	6.6	8.9	7.2	9.5
% FREQUENCY ≥ 5 FT	46.3	44.8	20.6	32.4	22.5	30.4	31.3	23.4	37.5	57.7	28.8	35.7
% FREQUENCY ≥ 8 FT	17.1	22.4	2.9	.0	2.5	1.8	2.1	.0	.0	7.7	5.8	7.1
% FREQUENCY ≥ 12 FT	9.8	8.6	.0	.0	.0	.0	.0	.0	.0	1.9	1.9	4.8
NUMBER OF OBS	41	58	34	34	40	56	48	47	32	52	52	42

Table I-6.--Continued

AREA: 381 19-20°N 92-93°W

PERIOD OF RECORD: 1870 - 1969

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1010.5	1007.6	1005.6	1004.8	1006.0	1008.1	1011.2	1009.3	1006.5	1008.8	1008.5	1009.8
MEDIAN	1016.9	1013.5	1013.1	1011.9	1012.5	1012.2	1013.9	1014.2	1011.9	1014.2	1015.9	1015.9
95% ≤	1022.7	1020.0	1020.4	1017.6	1016.6	1016.7	1017.2	1017.3	1015.3	1016.6	1022.4	1022.6
NUMBER OF OBS	86	102	89	91	94	106	106	95	104	97	122	95
AIR TEMPERATURE (DEGREES F)												
5% ≤	69.6	69.4	72.0	75.2	78.1	79.5	78.8	79.0	79.2	77.2	75.0	71.1
25% ≤	72.0	73.0	75.0	78.1	80.1	81.0	81.1	81.5	81.5	79.0	77.0	75.0
MEDIAN	73.9	75.0	76.5	79.0	81.5	82.0	82.2	82.4	82.8	80.6	78.1	77.0
75% ≤	75.4	77.0	78.1	81.0	84.0	84.0	82.9	84.0	84.0	82.4	79.0	78.8
95% ≤	79.7	78.1	81.1	82.8	87.1	86.0	86.0	86.0	86.0	85.8	81.9	80.1
NUMBER OF OBS	87	104	98	92	104	116	115	111	100	104	124	105
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	71.2	71.6	73.0	75.0	78.8	80.1	79.9	80.1	80.4	79.2	75.9	71.8
MEDIAN	73.9	75.0	76.1	79.0	81.0	82.9	82.4	82.9	84.0	82.4	79.0	77.0
95% ≤	78.8	79.0	80.6	82.4	84.9	86.5	86.2	87.8	89.1	88.7	82.8	81.0
NUMBER OF OBS	72	84	78	87	82	71	96	92	80	87	109	87
MEAN RELATIVE HUMIDITY (%)	84	81	84	84	80	83	82	83	82	76	78	83
NUMBER OF OBS	67	84	78	72	80	91	97	78	78	83	105	83
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	5.3	1.1	.0	.0	1.1	.9	.9	1.0	.0	2.1	.9	2.2
% FREQUENCY OF THUNDER AND LIGHTNING	.0	2.1	2.3	1.2	2.2	3.5	.9	4.0	5.9	5.3	.9	3.3
NUMBER OF OBS	76	94	87	86	91	115	108	99	102	94	114	91
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	43.8	59.8	58.6	46.7	41.7	29.7	26.5	30.1	12.3	26.9	38.4	34.6
% FREQUENCY 7-8 OKTAS OR OBSCURED	32.6	15.7	22.2	16.3	21.4	23.7	25.6	14.2	28.9	14.4	16.0	25.2
NUMBER OF OBS	89	102	99	92	103	118	117	113	114	104	125	107
VISIBILITY (% FREQUENCY < 2 N. MI.)	.0	.0	.0	1.2	.0	.0	.0	.0	1.0	.0	.0	.0
NUMBER OF OBS	78	96	90	85	92	115	109	101	102	96	114	94
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	1.1	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0
5% ≤	3.5	2.0	3.0	2.0	1.2	3.0	4.0	3.0	2.7	2.5	4.0	3.0
MEDIAN	10.0	11.5	11.5	11.0	10.0	10.0	11.0	10.0	10.0	10.0	10.0	10.0
95% ≤	25.6	20.0	22.1	20.0	20.8	20.0	19.0	18.0	18.4	20.0	21.0	20.6
NUMBER OF OBS	89	105	99	94	104	117	118	114	113	105	125	108
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.0	.0	.0	.0	.0	.0	1.5	1.0	.0	.0	.0	1.0
MEDIAN	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	1.6
95% ≤	9.8	6.6	6.6	6.6	4.9	5.1	4.9	4.9	4.9	5.6	6.6	6.6
% FREQUENCY ≥ 5 FT	40.0	35.0	36.4	43.5	23.7	22.0	27.6	25.5	16.7	17.8	26.1	23.5
% FREQUENCY ≥ 8 FT	12.5	1.7	3.6	4.3	1.7	.0	.0	2.0	1.7	2.7	4.3	3.9
% FREQUENCY ≥ 12 FT	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0
NUMBER OF OBS	40	60	55	46	59	59	58	51	60	73	46	51

Table I-6.--Continued

AREA: 382 21-22°N 90-91°W

PERIOD OF RECORD: 1870 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1011.5	1008.6	1007.8	1006.6	1007.9	1007.8	1012.4	1011.1	1008.8	1008.6	1010.3	1010.8
MEDIAN	1017.9	1015.6	1015.0	1014.2	1013.6	1013.5	1015.9	1015.0	1013.0	1013.9	1016.0	1017.6
95% ≤	1024.6	1022.0	1023.1	1019.5	1018.5	1017.4	1019.0	1018.6	1016.3	1017.4	1021.3	1023.9
NUMBER OF OBS	144	110	111	126	135	128	137	119	140	155	150	125
AIR TEMPERATURE (DEGREES F)												
5% ≤	68.0	68.2	70.9	72.0	75.0	78.1	78.1	78.4	78.8	76.8	73.6	69.6
25% ≤	71.6	72.3	73.8	75.2	77.4	79.0	79.7	80.6	80.6	79.5	75.6	73.0
MEDIAN	73.4	75.0	75.6	77.0	79.0	80.6	81.0	82.0	82.0	81.0	77.4	75.0
75% ≤	75.4	77.0	77.7	78.6	81.1	82.4	82.4	83.8	83.3	82.2	79.0	77.0
95% ≤	79.0	80.1	82.0	82.0	84.4	86.0	86.0	87.1	86.0	84.9	82.2	79.0
NUMBER OF OBS	198	152	154	206	185	175	196	186	198	211	210	188
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	70.5	71.8	71.1	73.4	75.0	76.6	78.1	79.3	80.1	77.4	75.0	71.4
MEDIAN	74.1	75.0	75.2	77.0	79.2	80.8	82.0	82.4	83.1	81.3	78.8	75.9
95% ≤	78.1	78.8	81.0	81.0	82.9	84.2	84.9	86.9	87.1	86.0	82.9	80.6
NUMBER OF OBS	172	135	138	194	168	154	180	164	181	183	185	156
MEAN RELATIVE HUMIDITY (%)	82	83	80	82	83	86	84	84	82	80	78	79
NUMBER OF OBS	77	57	58	78	80	66	93	81	87	75	95	72
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	1.9	3.5	1.3	1.9	1.0	2.1	.8	.9	3.5	1.6	.0	3.0
% FREQUENCY OF THUNDER AND LIGHTNING	1.0	2.4	1.3	1.0	.0	2.1	1.7	3.6	2.6	2.5	6.6	1.0
NUMBER OF OBS	103	85	80	103	104	95	118	110	114	122	122	100
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	42.1	59.1	61.5	63.4	48.2	38.3	48.8	50.0	37.6	33.8	45.2	38.9
% FREQUENCY 7-8 OKTAS OR OBSCURED	25.9	11.7	10.9	10.3	13.1	15.0	10.0	8.4	15.6	14.8	11.5	16.1
NUMBER OF OBS	197	154	156	213	191	180	201	190	205	216	217	193
VISIBILITY (% FREQUENCY < 2 N. MI.)	.7	.0	.0	.8	.0	.0	.7	.0	.7	.7	.0	.7
NUMBER OF OBS	134	103	101	132	130	123	143	132	144	148	152	134
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	1.0	.0	.0	.5	.0	.0	.0	.0	.5	.0	.0	.5
5% ≤	5.0	2.0	2.0	5.0	3.6	2.0	2.0	2.0	2.0	2.0	3.6	2.0
MEDIAN	13.0	10.0	13.0	13.0	13.0	10.0	10.0	9.0	9.0	11.0	11.0	12.0
95% ≤	25.1	20.2	24.0	24.0	21.0	20.0	18.0	18.0	18.0	22.3	18.0	20.4
NUMBER OF OBS	199	157	160	215	191	183	200	192	205	215	216	193
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEDIAN	3.3	3.3	3.3	3.3	3.3	1.6	3.3	1.6	1.6	3.3	3.3	3.3
95% ≤	9.7	4.9	6.6	6.7	6.6	4.9	4.9	4.9	4.9	6.6	4.9	8.2
% FREQUENCY ≥ 5 FT	37.8	25.8	23.4	44.9	28.2	17.6	14.7	9.3	16.3	28.6	22.5	42.6
% FREQUENCY ≥ 8 FT	11.0	1.6	3.1	5.1	1.2	.0	1.1	.0	1.3	1.3	2.2	8.8
% FREQUENCY ≥ 12 FT	3.7	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	1.5
NUMBER OF OBS	82	62	64	78	85	68	95	75	80	77	89	68

Table I-6.--Continued

AREA: 391 44-45°N 61-62°W

PERIOD OF RECORD: 1877 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	991.4	992.6	991.9	999.0	1002.8	1002.4	1004.4	1005.9	1002.5	999.0	995.9	993.7
MEDIAN	1012.8	1012.4	1013.3	1015.0	1014.6	1014.6	1014.9	1015.8	1017.0	1015.6	1017.0	1012.3
95% ≤	1030.7	1031.0	1029.8	1030.2	1025.8	1024.0	1023.0	1023.7	1029.8	1029.1	1032.2	1029.3
NUMBER OF OBS	351	274	246	313	433	481	443	486	489	503	401	363
AIR TEMPERATURE (DEGREES F)												
5% ≤	17.1	15.3	23.0	30.0	36.0	43.0	53.6	57.4	53.1	44.1	33.8	20.7
25% ≤	27.0	24.1	30.0	34.7	39.9	46.9	57.2	60.8	57.2	50.0	40.3	30.0
MEDIAN	32.0	30.0	33.1	37.4	43.0	50.0	60.1	63.0	60.1	54.0	45.0	36.0
75% ≤	37.0	34.5	36.0	39.9	46.0	53.6	63.0	65.5	63.3	57.2	48.9	42.1
95% ≤	43.0	40.8	40.6	44.6	50.0	57.9	66.9	69.1	66.9	61.0	54.3	48.2
NUMBER OF OBS	387	305	289	359	471	536	475	530	525	552	446	409
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	30.9	28.9	29.8	32.0	34.2	41.9	50.0	57.0	55.9	48.9	42.1	34.0
MEDIAN	36.0	33.4	33.4	36.0	40.5	46.8	57.9	63.0	60.8	55.0	48.0	42.1
95% ≤	42.1	39.7	37.2	40.1	46.9	54.3	64.0	66.9	66.0	61.2	54.0	48.0
NUMBER OF OBS	358	258	232	293	433	492	436	489	492	506	413	373
MEAN RELATIVE HUMIDITY (%)	85	85	85	86	88	87	90	87	82	80	82	83
NUMBER OF OBS	226	160	152	186	221	265	254	285	302	298	267	246
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	19.6	13.6	13.1	13.2	8.2	6.5	8.2	5.9	6.6	12.3	15.8	18.5
% FREQUENCY OF THUNDER AND LIGHTNING	.3	.8	.0	.0	1.0	.8	.7	.4	.9	.4	.5	1.2
NUMBER OF OBS	326	264	236	295	415	479	414	457	440	470	368	336
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	16.7	26.9	31.3	31.9	26.8	26.4	23.0	35.2	35.4	27.9	17.1	11.9
% FREQUENCY 7-8 OKTAS OR OBSCURED	61.1	48.4	49.3	49.7	54.2	53.4	55.6	43.9	38.4	46.9	59.7	62.4
NUMBER OF OBS	378	308	284	348	467	522	448	512	505	527	432	404
VISIBILITY (% FREQUENCY < 2 N. MI.)	8.1	9.0	10.1	16.0	27.5	33.4	35.6	15.3	8.4	8.8	7.4	5.5
NUMBER OF OBS	370	289	267	332	451	515	450	511	498	534	433	382
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	9.3	9.4	4.8	3.4	.2	.2	.0	.6	1.5	5.1	8.9	8.4
5% ≤	6.0	5.0	3.0	2.0	.0	.0	.0	.0	2.0	5.0	5.0	5.0
MEDIAN	18.0	16.0	16.0	14.0	10.0	10.0	10.0	12.0	13.0	16.0	17.0	18.0
95% ≤	37.0	38.6	33.0	30.0	24.5	24.0	20.0	25.0	28.0	33.3	37.0	37.0
NUMBER OF OBS	388	309	291	358	471	533	471	532	533	554	449	417
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.1	1.6	.0	.0	.0	.0	.0	1.6	1.6	1.6
MEDIAN	6.6	6.6	4.9	4.9	3.3	3.3	3.3	3.3	3.3	4.9	4.9	6.6
95% ≤	14.8	14.8	13.8	13.1	9.8	7.9	6.6	9.7	9.8	11.5	14.8	14.8
% FREQUENCY ≥ 5 FT	79.1	75.8	61.7	55.9	44.3	35.4	31.5	37.3	48.6	57.8	66.9	73.0
% FREQUENCY ≥ 8 FT	40.9	35.2	29.3	24.9	12.1	5.2	2.5	8.1	13.8	24.3	34.2	37.7
% FREQUENCY ≥ 12 FT	17.3	14.3	13.5	7.3	2.0	.6	.0	2.9	2.8	7.8	12.5	18.9
NUMBER OF OBS	225	182	133	177	307	345	324	383	327	346	263	244

Table I-6.--Continued

AREA: 392 45-46°N 58-59°W

PERIOD OF RECORD: 1864 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	984.8	985.6	989.3	992.9	999.5	1002.6	1004.7	1003.7	1004.2	996.3	995.1	988.8
MEDIAN	1009.3	1012.4	1009.8	1014.5	1014.1	1014.8	1015.3	1015.7	1017.5	1015.4	1015.0	1013.0
95% ≤	1027.4	1029.3	1028.9	1029.1	1028.3	1024.8	1024.0	1024.0	1028.1	1028.0	1030.7	1027.1
NUMBER OF OBS	309	239	172	188	244	237	279	263	292	314	351	406
AIR TEMPERATURE (DEGREES F)												
5% ≤	19.0	17.8	21.9	28.2	34.3	41.2	50.0	55.9	50.9	42.6	32.9	25.0
25% ≤	28.0	25.0	28.9	33.4	37.4	45.0	55.0	60.1	55.9	48.0	40.5	32.0
MEDIAN	34.0	30.0	32.0	35.1	39.9	47.5	57.9	62.2	59.0	51.1	44.1	37.0
75% ≤	36.9	34.0	35.6	37.0	42.8	50.7	60.1	64.9	62.1	55.0	46.9	40.3
95% ≤	41.9	39.9	38.3	41.9	46.6	54.1	64.9	68.0	64.9	59.0	52.0	46.0
NUMBER OF OBS	338	254	188	207	269	262	296	284	322	342	379	442
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	30.9	29.8	28.9	30.0	33.1	38.1	48.0	54.1	52.0	46.0	39.9	33.1
MEDIAN	34.5	33.1	33.1	33.1	37.0	45.0	55.0	61.7	59.0	52.0	45.3	41.0
95% ≤	39.7	37.0	37.4	36.3	42.1	50.7	62.1	66.0	64.0	57.9	50.4	46.9
NUMBER OF OBS	310	216	154	178	241	232	274	263	298	312	345	399
MEAN RELATIVE HUMIDITY (%)	87	86	87	86	91	90	92	87	84	83	84	83
NUMBER OF OBS	209	149	102	123	184	162	194	184	202	220	226	198
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	34.3	20.9	16.5	9.7	17.4	8.3	9.7	9.6	12.8	11.8	18.1	18.2
% FREQUENCY OF THUNDER AND LIGHTNING	.7	.0	.0	.0	.0	.9	1.2	.8	.0	.7	2.9	.8
NUMBER OF OBS	297	220	168	185	230	228	258	240	273	288	310	374
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	7.2	13.7	13.9	28.5	28.1	25.2	26.8	24.8	31.9	23.4	13.6	5.9
% FREQUENCY 7-8 OKTAS OR OBSCURED	75.6	60.8	62.6	55.6	54.6	57.6	54.3	46.0	42.2	47.8	64.5	74.1
NUMBER OF OBS	332	255	187	207	260	262	280	278	320	337	369	437
VISIBILITY (% FREQUENCY < 2 N. MI.)	16.0	9.0	10.3	13.1	29.1	29.6	36.7	17.6	9.7	10.0	10.7	6.9
NUMBER OF OBS	319	245	185	198	247	250	289	267	308	329	364	420
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	12.1	10.2	11.9	2.4	2.0	.8	.0	.4	3.1	3.7	8.3	9.6
5% ≤	8.0	5.0	5.0	5.0	2.0	2.0	2.0	2.0	5.0	5.0	5.0	5.0
MEDIAN	20.0	18.0	17.0	14.0	13.0	12.0	11.0	13.0	13.0	17.0	18.0	18.0
95% ≤	39.6	40.0	40.0	29.7	30.0	25.0	21.0	28.0	30.0	30.6	35.0	39.6
NUMBER OF OBS	348	256	194	207	254	265	296	285	326	348	384	449
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	3.3	1.8	1.6	1.6	.0	.0	.0	1.6	1.6	1.6	1.6	1.6
MEDIAN	8.2	6.6	4.9	4.9	3.3	3.3	3.3	4.9	4.9	6.6	6.6	6.6
95% ≤	18.0	19.7	17.1	13.1	11.5	8.9	7.5	9.8	11.5	11.5	14.8	14.8
% FREQUENCY ≥ 5 FT	86.1	75.8	64.6	65.7	48.7	38.6	39.6	53.8	57.4	70.1	71.6	81.5
% FREQUENCY ≥ 8 FT	51.9	40.4	29.2	22.4	18.0	11.1	5.3	13.6	16.4	34.8	34.2	41.9
% FREQUENCY ≥ 12 FT	25.9	18.0	21.2	8.2	7.3	1.3	.0	4.1	5.6	10.8	14.2	18.1
NUMBER OF OBS	216	161	113	134	150	153	169	169	195	204	225	227

Table I-6.--Continued

AREA: 393 43-44°N 64-65°W

PERIOD OF RECORD: 1875 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	990.8	990.3	993.4	995.5	1001.1	1003.0	1004.6	1005.9	1005.0	1000.6	997.6	996.6
MEDIAN	1014.0	1011.7	1013.5	1014.5	1014.6	1014.1	1015.1	1014.8	1017.0	1016.6	1015.5	1013.7
95% ≤	1031.6	1029.5	1029.9	1029.0	1027.0	1023.2	1023.9	1024.9	1027.2	1027.8	1031.1	1029.1
NUMBER OF OBS	488	423	477	440	439	462	545	474	454	468	483	402
AIR TEMPERATURE (DEGREES F)												
5% ≤	17.8	16.7	24.6	31.3	37.8	46.0	53.1	55.0	52.7	44.6	35.1	24.8
25% ≤	27.0	26.1	30.9	35.1	41.0	48.9	56.1	59.0	55.9	50.0	41.4	32.0
MEDIAN	33.8	31.3	34.0	37.8	44.1	51.8	59.0	61.0	59.0	54.0	46.0	37.9
75% ≤	37.9	36.0	37.0	41.0	46.9	55.0	62.1	64.0	62.2	57.0	50.0	43.0
95% ≤	43.5	41.0	41.0	45.1	52.2	59.0	66.2	68.0	66.0	60.8	55.9	48.9
NUMBER OF OBS	527	456	525	500	472	484	565	496	481	512	505	440
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	30.2	30.0	30.0	32.0	36.0	42.1	47.7	52.0	52.0	48.0	43.0	35.1
MEDIAN	37.0	34.0	33.8	35.6	41.0	48.0	55.9	59.9	59.0	54.0	48.9	42.8
95% ≤	43.0	39.9	39.0	41.0	47.3	55.0	62.1	64.9	64.9	60.1	55.2	48.9
NUMBER OF OBS	479	381	462	446	417	412	518	458	450	469	451	405
MEAN RELATIVE HUMIDITY (%)	86	87	85	85	86	90	91	90	86	83	82	84
NUMBER OF OBS	319	247	307	267	272	253	360	313	297	330	314	269
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	17.8	16.6	13.5	13.4	8.5	7.2	4.1	6.4	7.8	10.9	12.4	19.2
% FREQUENCY OF THUNDER AND LIGHTNING	.5	1.1	.5	.8	.0	.2	.0	.0	.5	.2	.7	.0
NUMBER OF OBS	426	373	421	396	387	402	484	425	400	422	420	364
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	17.5	20.5	30.9	36.4	35.4	30.3	28.1	30.9	39.6	33.2	18.8	14.5
% FREQUENCY 7-8 OKTAS OR OBSCURED	57.1	53.0	46.7	43.8	46.4	49.1	52.1	47.7	42.6	41.6	57.5	64.3
NUMBER OF OBS	503	440	512	489	463	475	551	482	470	497	499	442
VISIBILITY (% FREQUENCY < 2 N. MI.)	9.3	8.9	11.4	18.4	20.0	30.3	37.7	29.3	15.5	7.9	8.1	4.6
NUMBER OF OBS	494	426	493	456	434	445	539	464	457	482	493	416
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	7.7	6.7	4.3	2.9	.9	.0	.0	.6	.6	3.5	4.9	9.5
5% ≤	5.0	5.0	5.0	2.0	2.0	2.0	.5	2.0	2.0	2.5	5.0	5.0
MEDIAN	18.0	18.0	15.0	14.0	13.0	11.0	10.0	10.0	13.0	13.0	16.0	18.0
95% ≤	37.0	35.0	32.6	30.0	25.0	23.0	21.8	22.0	25.0	30.0	33.0	37.0
NUMBER OF OBS	533	461	529	475	470	487	565	497	484	509	512	453
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	1.6	.0	.0	.0	.0	1.6	.0	1.6	1.6
MEDIAN	6.6	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	4.9	6.6
95% ≤	14.8	14.8	11.5	13.1	8.2	6.6	6.6	8.2	9.8	9.8	13.1	14.8
% FREQUENCY ≥ 5 FT	76.3	62.8	65.2	53.3	42.2	30.6	25.7	31.4	44.9	49.7	56.0	70.8
% FREQUENCY ≥ 8 FT	33.5	34.3	22.3	18.9	10.8	3.4	2.5	6.5	10.3	16.3	19.2	36.0
% FREQUENCY ≥ 12 FT	15.5	13.6	7.0	7.4	3.4	.7	.0	1.0	3.0	4.4	8.9	16.2
NUMBER OF OBS	278	242	256	244	268	268	362	309	301	320	302	253

AREA: 401 41-42°N 61-62°W

PERIOD OF RECORD: 1855 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	993.0	992.2	990.9	993.9	1002.1	1003.1	1007.5	1006.6	1006.4	1003.7	996.9	996.5
MEDIAN	1015.3	1012.5	1013.7	1014.9	1016.6	1015.8	1016.9	1016.5	1018.0	1017.4	1015.0	1014.9
95% ≤	1032.4	1031.6	1029.4	1031.8	1027.1	1025.0	1025.0	1023.8	1028.5	1029.7	1030.2	1028.9
NUMBER OF OBS	900	847	1018	1097	893	859	1061	1190	1149	1045	1086	952
AIR TEMPERATURE (DEGREES F)												
5% ≤	32.0	28.0	33.1	37.9	43.0	52.0	62.1	64.0	59.0	51.1	43.0	36.0
25% ≤	37.9	35.6	39.2	43.0	50.0	57.9	66.9	68.4	64.0	57.7	48.9	42.4
MEDIAN	43.5	42.1	44.1	48.4	55.0	63.0	70.0	72.0	68.0	62.1	54.0	48.0
75% ≤	50.4	48.6	50.9	54.0	60.8	67.8	73.6	75.0	72.0	66.4	60.1	55.4
95% ≤	60.1	59.0	59.0	62.1	66.9	73.0	77.0	78.3	76.5	72.0	66.9	63.0
NUMBER OF OBS	1006	948	1150	1221	1032	953	1155	1298	1263	1161	1201	1054
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	40.6	39.0	38.3	39.9	43.3	50.0	61.0	65.8	63.0	57.4	52.0	46.0
MEDIAN	52.0	53.6	54.0	55.8	55.9	64.0	70.0	73.9	71.1	66.7	61.3	55.9
95% ≤	62.1	68.0	64.9	68.0	68.0	73.9	78.1	80.1	79.0	73.9	70.7	67.1
NUMBER OF OBS	941	883	1081	1169	961	897	1082	1147	1178	1106	1155	1010
MEAN RELATIVE HUMIDITY (%)	82	82	81	78	80	83	85	77	79	78	78	80
NUMBER OF OBS	540	423	585	722	565	568	731	821	782	720	714	633
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	20.6	18.1	18.8	11.9	7.0	8.6	6.3	7.6	8.6	8.9	12.2	20.1
% FREQUENCY OF THUNDER AND LIGHTNING	.7	1.3	2.0	1.4	1.3	1.4	3.2	3.7	2.3	3.4	2.3	1.4
NUMBER OF OBS	675	613	805	886	719	700	882	1007	910	830	854	763
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	7.6	6.0	15.0	22.3	29.6	27.1	25.5	30.5	27.3	26.5	11.9	8.3
% FREQUENCY 7-8 OKTAS OR OBSCURED	63.9	67.1	56.2	50.1	40.8	47.2	40.0	33.7	37.6	37.1	55.5	60.8
NUMBER OF OBS	1004	947	1150	1235	1034	956	1155	1289	1261	1160	1198	1064
VISIBILITY (% FREQUENCY < 2 N. MI.)	2.9	3.2	4.4	3.7	8.9	11.1	5.6	1.1	1.7	1.4	1.4	3.5
NUMBER OF OBS	784	714	896	998	795	778	968	1090	1029	919	940	828
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	12.5	12.5	12.5	7.6	1.5	1.3	.6	.6	1.6	3.1	7.7	12.4
5% ≤	5.0	5.0	5.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	5.0
MEDIAN	18.0	18.0	18.0	16.0	13.0	12.0	10.0	11.0	13.0	13.0	17.0	18.0
95% ≤	40.0	40.0	40.0	37.0	29.0	26.0	24.0	24.9	27.0	30.0	37.0	40.0
NUMBER OF OBS	1021	965	1175	1243	1046	970	1176	1303	1279	1179	1219	1073
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	1.6	1.6
MEDIAN	6.6	6.6	6.6	4.9	3.3	3.3	3.3	3.3	3.3	3.3	4.9	6.6
95% ≤	14.8	18.0	18.0	15.6	9.8	8.2	8.2	8.2	8.2	11.5	13.1	14.8
% FREQUENCY ≥ 5 FT	70.1	78.9	68.2	62.5	43.2	30.8	36.0	29.8	48.1	45.0	66.3	69.2
% FREQUENCY ≥ 8 FT	35.4	46.5	35.6	29.2	11.4	7.9	6.9	7.8	11.0	17.8	28.2	39.2
% FREQUENCY ≥ 12 FT	16.8	23.2	17.6	14.2	3.6	2.8	.3	1.6	2.3	6.3	10.7	18.2
NUMBER OF OBS	525	475	632	710	525	533	619	798	707	653	694	595

Table I-6.--Continued

AREA: 402 44-45°N 53-54°W PERIOD OF RECORD: 1855 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	991.1	988.9	991.1	993.1	998.5	1005.8	1008.9	1009.3	1005.1	998.6	997.0	993.9
MEDIAN	1013.0	1012.0	1012.0	1010.2	1019.2	1020.7	1019.0	1017.0	1018.0	1015.9	1015.4	1011.4
95% ≤	1031.4	1029.5	1026.9	1029.5	1032.2	1029.4	1028.3	1026.4	1027.5	1029.7	1030.4	1028.4
NUMBER OF OBS	409	267	254	285	744	418	400	370	529	463	405	475
AIR TEMPERATURE (DEGREES F)												
5% ≤	24.6	23.5	27.7	32.0	36.0	42.8	50.5	55.8	52.5	45.0	38.5	28.8
25% ≤	30.9	29.1	32.2	35.8	39.9	46.4	55.8	60.1	57.2	50.0	42.6	35.8
MEDIAN	36.0	33.6	35.1	38.7	42.8	50.0	59.9	63.5	60.6	54.0	46.8	39.2
75% ≤	39.9	38.3	37.9	41.0	46.4	53.6	64.0	66.9	63.5	57.9	51.1	44.6
95% ≤	46.4	45.0	44.1	45.0	51.8	59.0	68.7	71.6	68.0	62.8	57.0	52.0
NUMBER OF OBS	508	293	269	300	752	440	433	467	666	600	525	619
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	32.0	30.2	32.0	32.0	35.6	37.4	48.7	56.3	54.7	48.2	41.9	36.3
MEDIAN	37.9	36.5	36.1	37.9	42.8	46.8	57.0	62.1	60.6	55.0	48.2	42.8
95% ≤	45.0	42.1	44.4	44.1	48.2	54.0	64.4	68.0	66.4	62.8	55.9	49.1
NUMBER OF OBS	476	258	233	266	693	382	400	418	636	583	510	601
MEAN RELATIVE HUMIDITY (%)	87	87	86	87	88	90	94	87	83	83	82	84
NUMBER OF OBS	149	150	165	181	124	130	119	135	130	128	117	166
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	27.9	18.5	16.4	16.7	11.3	7.6	6.0	7.3	7.6	10.9	12.8	15.7
% FREQUENCY OF THUNDER AND LIGHTNING	.9	.0	.5	1.2	.3	.3	.3	1.5	1.0	.4	2.1	.0
NUMBER OF OBS	222	216	219	257	646	394	366	261	290	238	187	230
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	4.7	7.2	12.9	18.2	12.5	21.7	11.5	27.8	22.8	20.3	7.9	7.7
% FREQUENCY 7-8 OKTAS OR OBSCURED	65.2	67.4	70.5	64.2	68.7	62.7	71.0	41.4	38.2	42.9	56.0	58.0
NUMBER OF OBS	511	291	264	285	678	410	417	461	670	587	520	622
VISIBILITY (% FREQUENCY < 2 N. MI.)	13.1	9.0	15.4	23.6	28.9	33.0	54.5	15.8	9.6	8.7	9.9	7.1
NUMBER OF OBS	267	244	253	288	714	427	382	292	322	265	213	268
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	11.5	13.3	6.5	6.8	.7	.2	.0	.4	2.9	5.4	5.6	9.9
5% ≤	5.0	5.0	5.0	2.0	.0	2.0	1.6	2.0	2.0	4.0	5.0	5.0
MEDIAN	18.0	18.0	16.0	15.0	12.0	10.0	10.0	10.0	13.0	13.0	18.0	18.0
95% ≤	42.6	43.8	35.1	37.0	25.0	24.0	20.0	24.0	29.7	35.0	37.0	40.0
NUMBER OF OBS	524	301	278	310	750	445	436	474	686	613	538	637
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	1.6	.0	.0	.0	.0	.0	1.6	1.6	3.3
MEDIAN	8.2	6.6	6.6	6.6	4.9	3.3	3.3	3.3	4.9	4.9	6.6	8.2
95% ≤	18.0	19.7	14.8	13.9	9.8	8.2	7.7	8.2	11.3	11.5	16.7	19.7
% FREQUENCY ≥ 5 FT	80.0	86.5	82.9	68.4	50.3	32.4	36.7	42.4	56.0	64.2	80.2	83.8
% FREQUENCY ≥ 8 FT	53.1	49.6	48.0	33.2	18.4	6.3	5.2	8.1	17.6	27.8	44.8	55.4
% FREQUENCY ≥ 12 FT	30.0	27.8	22.4	12.6	4.0	2.2	.0	3.5	5.5	6.2	21.6	24.6
NUMBER OF OBS	130	133	152	190	658	315	286	172	182	162	116	130

Table I-6.--Continued

AREA: 403 41-42°N 56-57°W

PERIOD OF RECORD: 1858 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	988.6	992.4	990.9	996.7	1002.0	1004.5	1008.8	1008.7	1007.6	1002.2	999.7	995.8
MEDIAN	1014.1	1012.3	1012.5	1014.8	1016.0	1017.0	1018.7	1018.0	1018.3	1017.7	1017.1	1015.3
95% ≤	1032.2	1029.5	1030.0	1029.0	1027.0	1025.6	1027.0	1025.0	1028.0	1028.7	1030.7	1029.6
NUMBER OF OBS	548	544	776	759	773	727	745	703	715	572	526	516
AIR TEMPERATURE (DEGREES F)												
5% ≤	34.5	32.0	35.1	39.6	45.0	53.1	62.1	64.6	60.1	54.0	46.8	39.6
25% ≤	41.0	39.2	41.0	45.0	51.8	60.1	68.0	70.0	64.9	59.9	53.1	45.9
MEDIAN	46.9	46.0	46.0	51.8	57.7	64.9	71.8	73.4	70.0	64.9	58.1	51.6
75% ≤	55.4	52.0	52.0	57.9	63.0	69.1	74.7	75.9	73.0	69.1	64.4	58.8
95% ≤	63.0	60.1	60.6	64.2	68.0	73.8	78.1	79.7	77.0	73.9	71.1	66.0
NUMBER OF OBS	617	643	894	891	949	844	870	778	775	637	575	555
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	46.4	43.0	42.6	43.0	45.5	55.0	62.6	67.5	66.2	63.0	57.2	52.0
MEDIAN	58.1	55.9	55.9	57.9	60.1	66.0	71.6	73.9	73.0	70.0	66.0	62.6
95% ≤	66.9	64.0	64.0	66.4	69.8	73.9	77.5	79.0	79.0	75.9	73.0	68.4
NUMBER OF OBS	560	589	821	836	887	773	820	727	702	579	528	519
MEAN RELATIVE HUMIDITY (%)	81	81	80	80	83	84	85	83	80	79	79	80
NUMBER OF OBS	300	280	402	390	401	394	440	403	395	349	344	325
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	19.4	19.1	16.7	12.7	12.4	9.0	7.9	7.8	7.1	8.1	10.8	15.1
% FREQUENCY OF THUNDER AND LIGHTNING	1.7	1.8	2.6	1.3	2.7	1.3	2.6	6.0	4.0	3.2	4.6	4.3
NUMBER OF OBS	422	387	546	558	548	536	583	503	521	443	417	397
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	6.8	5.1	9.0	14.6	17.2	21.8	25.1	28.0	21.0	19.5	15.2	5.9
% FREQUENCY 7-8 OKTAS OR OBSCURED	67.0	64.8	59.7	54.5	51.4	44.2	37.8	31.7	37.4	39.7	46.9	64.9
NUMBER OF OBS	615	644	900	910	944	857	860	775	775	640	572	564
VISIBILITY (% FREQUENCY < 2 N. MI.)	4.1	3.2	3.9	4.5	5.8	7.3	2.8	1.9	1.5	2.0	1.4	2.3
NUMBER OF OBS	507	462	638	642	654	642	704	633	650	542	498	476
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	18.4	11.8	11.8	7.9	3.1	1.7	.9	1.5	4.2	4.5	5.8	13.5
5% ≤	5.0	5.0	5.0	3.2	2.0	2.0	2.0	2.0	2.0	5.0	4.0	5.0
MEDIAN	21.0	20.0	18.0	18.0	13.0	13.0	12.0	11.0	13.0	16.0	18.0	20.0
95% ≤	45.0	44.0	40.0	37.0	30.0	25.0	25.0	24.0	30.0	32.0	35.0	40.0
NUMBER OF OBS	625	660	917	924	964	871	879	790	790	641	587	572
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	3.3	3.3	1.8	1.6	1.6	.0	1.6	.0	1.6	1.6	1.6	3.3
MEDIAN	8.2	6.6	6.6	6.6	4.9	3.3	3.3	3.3	4.9	4.9	6.6	8.2
95% ≤	19.7	19.7	21.3	14.8	11.5	8.2	9.8	8.2	9.8	11.5	14.8	19.7
% FREQUENCY ≥ 5 FT	86.0	81.8	86.1	74.7	64.7	48.7	47.1	47.1	58.8	69.1	76.0	82.6
% FREQUENCY ≥ 8 FT	57.0	49.0	48.8	34.9	27.1	9.2	12.9	11.3	18.2	29.1	34.9	50.9
% FREQUENCY ≥ 12 FT	31.5	26.7	26.0	17.4	7.4	1.1	4.0	2.3	3.7	8.8	15.1	26.5
NUMBER OF OBS	279	247	361	344	351	357	403	344	352	320	304	287

Table I-6.--Continued

AREA: 411 40-41°N 68-69°W

PERIOD OF RECORD: 1856 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	996.7	995.8	999.4	999.9	1002.9	1006.8	1006.8	1008.5	1007.8	1003.1	1000.3	997.7
MEDIAN	1015.9	1015.2	1016.7	1016.4	1016.8	1016.8	1015.6	1016.4	1018.6	1018.0	1017.1	1016.8
95% ≤	1031.2	1031.8	1032.2	1030.4	1028.0	1026.2	1025.5	1024.6	1028.1	1030.3	1030.6	1030.3
NUMBER OF OBS	1585	1227	2620	1963	2667	2687	2507	1724	1709	1696	1426	1372
AIR TEMPERATURE (DEGREES F)												
5% ≤	27.0	25.0	30.0	35.8	41.4	48.9	57.0	59.0	55.9	48.0	40.6	32.0
25% ≤	35.1	33.1	36.3	40.3	46.0	54.7	62.6	64.0	60.6	54.0	46.9	38.3
MEDIAN	39.9	37.9	39.2	44.1	50.0	59.0	66.2	67.5	64.0	57.9	51.8	43.7
75% ≤	45.0	42.8	43.5	47.8	54.0	63.0	70.0	71.4	68.0	62.1	55.9	48.9
95% ≤	52.5	50.0	50.0	54.9	60.4	71.1	76.1	77.0	73.9	68.0	63.0	55.9
NUMBER OF OBS	1791	1466	2838	2234	2957	2966	2771	2022	1963	1944	1686	1605
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	37.9	35.6	36.0	37.0	40.3	46.0	53.6	57.2	56.8	52.9	48.2	42.6
MEDIAN	43.7	41.0	40.5	42.1	46.0	54.0	62.6	65.5	63.0	57.9	53.6	48.2
95% ≤	53.1	51.1	48.2	52.0	58.8	70.0	73.4	75.9	73.9	70.0	64.9	57.9
NUMBER OF OBS	1696	1375	2630	2104	2782	2796	2622	1899	1854	1813	1579	1509
MEAN RELATIVE HUMIDITY (%)	81	81	80	84	86	88	89	87	84	81	79	80
NUMBER OF OBS	646	523	676	731	829	822	810	926	818	827	739	653
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	12.0	14.3	8.6	9.3	5.7	4.7	3.3	5.6	6.4	7.1	9.2	14.7
% FREQUENCY OF THUNDER AND LIGHTNING	.6	.5	.6	.6	.7	.5	.7	1.6	.6	1.1	1.6	1.0
NUMBER OF OBS	1076	798	2028	1479	2087	2217	2114	1282	1184	1177	931	893
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	17.4	16.2	27.5	38.3	31.9	32.4	29.4	33.9	42.0	35.0	23.0	14.3
% FREQUENCY 7-8 OKTAS OR OBSCURED	53.3	52.1	44.4	41.2	46.5	47.0	45.4	37.4	31.8	33.8	43.8	53.0
NUMBER OF OBS	1762	1445	2737	2178	2871	2820	2680	1953	1962	1920	1672	1618
VISIBILITY (% FREQUENCY < 2 N. MI.)	6.7	6.8	11.2	13.1	27.5	32.1	32.1	18.4	9.9	5.1	3.2	4.9
NUMBER OF OBS	1310	964	2310	1707	2353	2464	2287	1514	1390	1388	1097	1050
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	7.2	6.6	3.3	2.0	.3	.2	.1	.3	1.5	1.9	3.6	6.8
5% ≤	5.0	5.0	2.0	2.0	.0	.0	.0	.0	.0	2.0	4.0	5.0
MEDIAN	16.0	16.0	15.0	13.0	10.0	9.0	8.0	9.0	9.0	13.0	13.0	16.0
95% ≤	37.0	37.0	30.0	29.0	23.0	20.0	18.0	19.0	24.0	30.0	30.0	37.0
NUMBER OF OBS	1843	1495	2884	2264	2972	2968	2771	2034	1995	1965	1714	1651
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.6
MEDIAN	4.9	4.9	4.9	3.3	3.3	3.3	1.6	3.3	3.3	3.3	4.9	4.9
95% ≤	16.4	14.8	11.5	11.5	9.8	6.6	6.6	6.6	9.8	11.5	13.1	14.8
% FREQUENCY ≥ 5 FT	68.5	65.4	53.3	43.0	27.9	21.3	20.5	25.6	38.3	49.1	58.9	63.2
% FREQUENCY ≥ 8 FT	32.6	32.7	20.7	15.5	9.2	3.5	3.5	3.8	11.5	16.3	19.9	28.2
% FREQUENCY ≥ 12 FT	15.5	13.8	6.5	5.9	2.3	.9	.6	1.0	2.8	5.8	8.4	12.5
NUMBER OF OBS	871	593	1821	1192	1740	1867	1785	930	846	890	693	641

Table I-6.--Continued

AREA: 412 41-42°N 64-65°W

PERIOD OF RECORD: 1855 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	994.7	993.4	994.4	996.3	1004.2	1005.7	1007.3	1008.1	1008.1	1002.6	999.0	997.0
MEDIAN	1015.2	1014.7	1014.2	1015.9	1015.9	1015.9	1016.6	1016.6	1018.0	1017.0	1016.4	1015.8
95% ≤	1032.2	1030.9	1029.4	1029.8	1027.1	1024.9	1025.0	1023.8	1028.1	1029.9	1031.0	1030.5
NUMBER OF OBS	764	626	668	634	653	652	838	880	1052	1001	939	860
AIR TEMPERATURE (DEGREES F)												
5% ≤	27.5	26.6	30.0	36.0	41.0	50.0	59.0	61.2	57.2	48.6	40.6	32.5
25% ≤	35.2	33.8	36.0	40.5	46.8	55.0	63.7	65.8	61.3	54.5	46.9	39.2
MEDIAN	40.6	38.3	40.1	44.2	51.1	59.0	66.9	69.1	66.0	59.0	51.8	44.1
75% ≤	46.4	44.2	46.0	50.0	56.3	63.5	71.1	72.0	69.8	63.0	57.2	50.0
95% ≤	55.9	53.1	54.3	57.0	64.6	70.0	75.9	77.0	75.0	70.0	64.0	59.0
NUMBER OF OBS	916	746	754	734	763	768	952	1090	1244	1220	1169	1063
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	37.4	35.6	35.1	37.0	39.9	46.4	56.5	60.8	59.0	53.8	48.0	41.9
MEDIAN	45.1	44.1	44.2	44.8	49.1	55.9	64.4	68.9	68.0	62.1	56.1	50.0
95% ≤	59.7	59.9	59.0	59.0	68.0	70.7	75.9	77.7	76.1	72.5	68.0	62.6
NUMBER OF OBS	872	679	702	697	723	709	877	1010	1189	1154	1109	1033
MEAN RELATIVE HUMIDITY (%)	82	82	80	81	84	88	87	84	81	78	79	80
NUMBER OF OBS	315	281	361	341	345	360	510	478	505	468	406	362
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	18.9	19.6	14.4	7.8	7.4	8.4	6.8	5.6	8.3	8.9	14.1	14.3
% FREQUENCY OF THUNDER AND LIGHTNING	2.0	1.1	1.9	.6	1.9	1.6	1.1	2.0	1.4	1.6	2.0	2.4
NUMBER OF OBS	461	448	485	477	516	548	701	700	703	640	561	503
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	11.2	9.2	19.8	33.8	33.1	26.9	27.4	33.5	35.0	29.4	15.4	11.8
% FREQUENCY 7-8 OKTAS OR OBSCURED	59.0	59.5	53.9	43.9	45.9	47.4	45.7	34.9	32.0	34.9	47.7	54.0
NUMBER OF OBS	931	743	757	736	752	761	926	1085	1239	1211	1154	1067
VISIBILITY (% FREQUENCY < 2 N. MI.)	4.8	7.6	8.0	6.9	15.8	26.6	17.0	9.4	4.0	4.0	3.2	4.5
NUMBER OF OBS	560	524	585	566	589	620	777	770	816	744	664	596
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	10.2	13.6	8.2	4.8	1.4	.3	.1	.8	2.3	4.6	8.6	10.3
5% ≤	5.0	5.0	5.0	2.0	2.0	.0	2.0	2.0	2.0	2.0	4.5	5.0
MEDIAN	18.0	18.0	18.0	13.0	13.0	10.0	9.0	9.0	11.0	13.0	15.5	18.0
95% ≤	39.0	44.0	37.0	31.3	27.2	24.0	21.0	24.0	25.2	32.0	37.0	37.0
NUMBER OF OBS	949	764	772	754	777	778	956	1100	1277	1240	1189	1097
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	1.6	1.6	1.6
MEDIAN	6.6	6.6	6.6	4.9	3.3	3.3	3.3	3.3	3.3	4.9	6.6	6.6
95% ≤	16.4	18.0	17.9	13.1	11.5	8.2	6.6	8.2	9.8	13.1	14.8	18.0
% FREQUENCY ≥ 5 FT	75.0	74.2	74.9	58.7	46.3	35.6	35.9	33.5	46.5	60.1	69.1	72.8
% FREQUENCY ≥ 8 FT	43.8	39.8	41.0	22.5	16.0	7.3	4.7	8.0	12.9	28.2	37.4	36.7
% FREQUENCY ≥ 12 FT	23.1	24.2	21.2	9.2	5.4	2.1	.8	1.0	4.1	10.3	18.6	20.1
NUMBER OF OBS	320	322	363	346	369	382	516	486	458	439	382	349

Table I-6.--Continued

AREA: 421 38-39°N 65-66°W

PERIOD OF RECORD: 1855 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	997.4	992.1	996.3	994.1	1006.1	1005.4	1009.0	1009.1	1007.6	1004.7	1000.9	1000.2
MEDIAN	1018.4	1014.8	1015.0	1014.4	1016.9	1018.5	1017.6	1018.3	1018.2	1017.5	1016.5	1016.3
95% ≤	1033.1	1028.3	1028.1	1028.7	1026.8	1025.1	1025.7	1025.7	1026.7	1027.3	1029.8	1030.5
NUMBER OF OBS	310	468	465	366	349	426	438	677	497	469	406	359
AIR TEMPERATURE (DEGREES F)												
5% ≤	42.1	39.0	41.0	46.0	55.2	63.9	70.0	71.8	66.9	57.9	51.8	43.2
25% ≤	47.8	45.1	46.9	52.0	60.8	68.9	73.9	75.9	72.0	65.8	57.9	50.0
MEDIAN	53.2	52.0	53.6	57.0	66.0	72.5	75.9	78.1	75.9	70.0	64.0	55.4
75% ≤	60.1	57.9	59.4	62.6	70.0	75.6	78.4	80.1	79.0	73.9	69.1	61.3
95% ≤	66.2	64.9	66.2	68.0	73.9	79.0	82.0	84.9	82.0	79.0	73.9	68.5
NUMBER OF OBS	408	573	599	492	475	541	557	782	582	548	488	436
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	53.8	51.8	50.9	52.0	57.0	65.3	72.0	75.0	72.0	68.0	64.0	57.9
MEDIAN	64.9	62.2	62.1	66.0	70.0	73.9	77.0	80.1	80.1	75.0	72.0	68.2
95% ≤	73.0	71.4	70.7	73.0	75.9	80.1	82.0	84.0	84.0	80.1	78.1	75.9
NUMBER OF OBS	390	550	572	470	433	515	545	748	556	521	464	409
MEAN RELATIVE HUMIDITY (%)	77	77	77	78	79	81	82	78	78	74	74	76
NUMBER OF OBS	220	356	331	274	265	326	313	476	340	352	310	258
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	13.6	14.7	13.3	14.1	6.8	6.0	13.3	5.9	8.4	7.0	11.7	9.8
% FREQUENCY OF THUNDER AND LIGHTNING	1.0	1.1	4.7	3.5	1.9	3.5	4.9	4.9	2.9	4.7	4.5	2.7
NUMBER OF OBS	287	450	450	341	324	400	429	639	477	446	376	337
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	8.1	8.7	12.8	17.6	19.8	25.6	24.9	26.6	26.8	22.4	11.4	8.6
% FREQUENCY 7-8 OKTAS OR OBSCURED	60.7	62.7	55.7	50.5	39.7	35.1	34.9	27.2	30.2	35.4	46.7	60.8
NUMBER OF OBS	405	566	600	495	474	542	562	782	582	548	475	431
VISIBILITY (% FREQUENCY < 2 N. MI.)	.6	1.2	3.6	2.1	2.8	1.4	1.5	1.0	1.2	.8	1.6	1.6
NUMBER OF OBS	335	488	506	377	361	439	465	699	518	492	431	383
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	9.7	14.4	12.2	9.1	2.1	.5	1.1	.5	1.9	4.0	9.0	11.1
5% ≤	5.0	5.0	5.0	5.0	2.0	2.0	2.0	2.0	2.3	3.0	5.0	5.0
MEDIAN	18.0	18.0	18.0	18.0	13.0	11.0	12.0	12.0	13.0	13.0	18.0	18.0
95% ≤	37.0	40.0	40.0	37.8	30.0	24.0	25.0	24.0	30.0	30.0	37.0	40.0
NUMBER OF OBS	413	576	605	504	475	548	567	783	585	551	488	441
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	1.6	1.6	.0	.0	.0	1.6	.0	.0	1.6
MEDIAN	6.6	6.6	6.6	6.6	4.9	3.3	3.3	3.3	3.3	3.3	4.9	6.6
95% ≤	14.8	14.8	17.9	13.1	11.5	9.8	8.2	8.2	9.8	11.5	13.1	18.0
% FREQUENCY ≥ 5 FT	70.3	76.9	69.7	72.4	56.4	44.7	37.1	31.7	48.0	48.7	65.7	76.3
% FREQUENCY ≥ 8 FT	36.2	37.7	39.9	36.2	24.3	10.6	8.6	7.7	13.6	18.7	30.6	44.8
% FREQUENCY ≥ 12 FT	13.8	15.6	18.0	12.5	8.9	2.6	1.7	2.0	4.0	6.2	14.5	17.4
NUMBER OF OBS	246	398	383	279	259	311	361	556	354	353	297	270

Table I-6.--Continued

AREA: 422 39-40°N 60-61°W

PERIOD OF RECORD: 1862 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	991.1	993.4	996.9	996.5	1004.4	1003.9	1009.1	1009.8	1007.4	1003.6	999.3	996.7
MEDIAN	1014.9	1015.0	1013.5	1014.9	1017.0	1018.0	1018.1	1018.3	1018.6	1017.7	1016.8	1014.9
95% ≤	1028.3	1030.8	1028.3	1028.4	1025.7	1026.1	1026.1	1024.4	1027.3	1028.3	1031.8	1027.8
NUMBER OF OBS	390	314	373	389	427	449	427	402	429	415	380	397
AIR TEMPERATURE (DEGREES F)												
5% ≤	40.5	39.9	41.0	45.0	53.6	61.0	69.1	70.0	64.9	59.0	52.7	45.5
25% ≤	48.0	46.0	46.9	52.0	59.4	66.9	73.4	73.6	70.7	64.0	58.6	51.8
MEDIAN	53.6	52.0	52.0	57.0	64.8	70.7	75.9	76.5	73.9	68.9	63.1	57.0
75% ≤	60.1	59.0	57.9	62.2	68.5	73.9	78.1	79.2	77.0	73.0	68.0	62.6
95% ≤	66.0	64.9	66.0	68.0	73.0	78.1	81.0	82.9	81.0	75.9	73.0	68.0
NUMBER OF OBS	471	446	509	561	599	625	579	505	506	499	454	480
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	55.0	53.6	54.1	54.7	57.9	63.3	70.0	73.4	70.9	69.1	64.6	58.8
MEDIAN	64.4	63.9	64.0	64.9	68.0	72.5	77.0	78.8	77.9	75.0	71.6	66.9
95% ≤	71.1	69.3	70.0	71.6	75.0	78.1	81.0	82.4	82.0	80.1	76.8	73.0
NUMBER OF OBS	438	419	470	533	560	592	550	483	474	474	423	441
MEAN RELATIVE HUMIDITY (%)	79	79	76	77	79	81	81	79	76	75	76	76
NUMBER OF OBS	307	248	286	313	328	353	347	314	349	341	312	331
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	17.7	17.3	14.6	14.8	10.8	8.6	6.2	8.4	5.0	8.3	11.8	12.5
% FREQUENCY OF THUNDER AND LIGHTNING	4.1	5.4	3.2	4.6	3.0	4.1	4.7	7.6	3.0	3.4	4.1	7.7
NUMBER OF OBS	362	295	343	366	371	395	422	369	398	385	338	376
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	6.2	4.5	6.3	14.1	19.3	21.9	24.1	24.6	22.6	17.5	10.8	5.9
% FREQUENCY 7-8 OKTAS OR OBSCURED	63.8	64.7	58.2	49.7	43.7	37.0	33.0	32.3	30.9	40.6	48.6	61.5
NUMBER OF OBS	470	448	507	555	579	621	584	508	505	498	444	475
VISIBILITY (% FREQUENCY < 2 N. MI.)	3.2	2.9	1.7	1.4	1.8	1.7	1.1	1.0	.2	.9	2.0	1.2
NUMBER OF OBS	412	342	403	420	450	461	469	412	440	443	398	416
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	18.0	18.3	16.3	9.3	4.1	1.9	.8	1.6	3.5	3.9	12.3	15.7
5% ≤	5.0	5.0	5.0	5.0	4.0	3.0	2.0	2.0	2.0	5.0	5.0	5.0
MEDIAN	21.0	21.0	20.0	18.0	15.0	13.0	13.0	13.0	13.0	16.5	19.0	20.0
95% ≤	44.0	45.0	42.4	37.0	33.0	30.0	24.6	27.0	30.0	30.0	38.4	44.0
NUMBER OF OBS	473	453	516	562	610	628	589	507	519	507	456	483
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	3.3	1.6	1.6	1.6	.0	1.6	1.6	1.6	1.6	3.3
MEDIAN	8.2	8.2	8.2	6.6	4.9	4.9	4.9	3.3	4.9	4.9	6.6	8.2
95% ≤	21.3	24.6	18.0	14.8	13.1	11.5	9.8	8.2	9.8	12.5	14.8	20.0
% FREQUENCY ≥ 5 FT	83.2	84.8	83.9	78.8	67.0	53.2	56.2	45.7	54.8	72.8	82.2	85.5
% FREQUENCY ≥ 8 FT	56.9	51.3	50.6	42.8	30.0	18.6	11.0	10.6	15.2	30.4	43.5	53.5
% FREQUENCY ≥ 12 FT	32.8	28.6	27.6	15.5	10.9	7.1	1.6	2.0	4.1	12.3	19.0	29.3
NUMBER OF OBS	262	224	261	264	267	312	308	293	290	309	253	297

Table I-6.--Continued

AREA: 431 38-39°N 68-69°W

PERIOD OF RECORD: 1856 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	996.3	996.9	997.6	1001.6	1005.6	1003.3	1007.8	1009.8	1008.0	1003.1	1000.2	998.3
MEDIAN	1016.1	1014.6	1015.9	101[illegible].1	1016.9	1016.4	1017.9	1017.7	1018.1	1017.1	1015.9	1018.3
95% ≤	1031.4	1030.4	1030.6	1029.8	1026.8	1024.4	1025.7	1024.0	1026.2	1027.8	1029.8	1031.8
NUMBER OF OBS	358	335	432	319	406	422	402	440	410	396	482	355
AIR TEMPERATURE (DEGREES F)												
5% ≤	37.0	36.0	37.9	43.0	52.0	63.0	69.1	70.0	64.0	55.8	48.0	41.7
25% ≤	44.6	43.7	44.6	48.9	59.0	68.0	73.6	74.8	70.3	64.0	55.4	46.9
MEDIAN	50.0	49.5	50.0	54.0	63.7	71.6	75.9	77.0	73.9	68.0	61.0	53.1
75% ≤	57.9	57.0	57.2	60.3	68.0	75.0	79.0	79.7	77.0	71.6	66.0	60.1
95% ≤	64.0	64.9	66.0	66.9	73.9	78.8	82.0	82.9	80.6	75.7	72.5	66.6
NUMBER OF OBS	453	418	538	429	508	521	497	519	535	499	582	468
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	50.0	46.4	44.1	47.5	53.1	64.0	70.7	73.0	71.1	64.9	59.9	54.0
MEDIAN	60.1	60.1	59.0	60.1	66.2	72.1	77.0	78.8	77.4	73.8	68.2	63.9
95% ≤	72.0	72.0	72.0	73.9	77.0	80.1	82.9	84.0	82.9	81.0	77.0	73.9
NUMBER OF OBS	410	376	486	388	468	468	457	480	478	465	544	427
MEAN RELATIVE HUMIDITY (%)	76	79	75	77	78	81	81	79	77	76	76	77
NUMBER OF OBS	274	268	365	275	324	341	336	338	330	308	372	280
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	16.8	15.3	11.3	9.4	8.9	8.8	8.4	7.7	6.1	9.1	11.9	15.6
% FREQUENCY OF THUNDER AND LIGHTNING	3.8	3.4	3.5	3.1	2.6	4.4	3.4	7.7	4.1	4.8	5.3	3.1
NUMBER OF OBS	340	321	425	319	383	407	380	427	394	375	437	353
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	11.6	10.6	16.9	26.7	30.3	26.5	27.2	24.1	30.8	23.7	14.1	11.0
% FREQUENCY 7-8 OKTAS OR OBSCURED	61.3	63.5	55.4	43.5	40.5	39.0	35.5	34.7	32.7	37.8	49.7	59.6
NUMBER OF OBS	450	417	531	430	491	513	482	527	526	502	576	473
VISIBILITY (% FREQUENCY < 2 N. MI.)	3.9	1.9	2.8	3.4	3.3	2.4	3.1	.9	1.6	2.6	2.2	2.1
NUMBER OF OBS	388	367	463	356	430	462	422	463	440	423	490	390
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	11.3	10.3	8.2	6.1	3.2	3.9	.6	.8	3.5	4.1	7.1	8.2
5% ≤	5.0	5.0	5.0	4.0	3.0	2.0	2.0	2.0	3.0	4.0	3.6	5.0
MEDIAN	18.0	18.0	18.0	16.0	14.0	12.0	10.0	11.5	13.0	14.0	17.0	18.0
95% ≤	44.0	40.7	37.0	35.0	30.0	30.0	24.0	24.0	30.0	31.6	37.0	37.0
NUMBER OF OBS	462	426	546	440	505	534	508	525	536	509	592	475
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	1.6	1.6	.0	.0	.0	.0	1.6	1.6	3.0
MEDIAN	6.6	6.6	6.6	4.9	3.3	3.3	3.3	3.3	4.9	4.9	4.9	6.6
95% ≤	18.0	17.9	18.0	15.9	9.8	8.2	8.2	8.2	11.5	13.1	14.8	14.8
% FREQUENCY ≥ 5 FT	75.7	74.0	75.4	68.4	49.5	39.7	30.7	39.5	53.9	59.9	65.9	73.8
% FREQUENCY ≥ 8 FT	44.3	38.8	42.6	35.2	16.6	7.1	6.5	8.3	19.7	25.9	37.1	40.6
% FREQUENCY ≥ 12 FT	19.2	19.8	23.0	16.2	4.3	2.4	1.8	2.8	8.1	10.2	15.4	15.2
NUMBER OF OBS	255	242	317	247	277	297	277	324	284	274	337	256

Table I-6.--Continued

AREA: 44 38-40°N 70-72°W

PERIOD OF RECORD: 1855 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	999.3	998.6	998.1	1000.3	1005.1	1007.0	1008.6	1009.1	1007.1	1003.2	1002.7	1000.3
MEDIAN	1017.6	1016.8	1016.0	1016.0	1016.4	1016.0	1016.9	1016.7	1018.0	1018.0	1017.3	1018.3
95% ≤	1031.5	1031.5	1029.2	1030.1	1027.1	1024.4	1024.7	1023.7	1026.1	1028.1	1030.1	1030.8
NUMBER OF OBS	2239	2225	2367	2377	2301	2323	2528	2549	2537	2261	2160	1949
AIR TEMPERATURE (DEGREES F)												
5% ≤	30.9	28.4	34.0	40.6	46.9	57.0	66.9	68.0	62.1	52.5	44.1	34.0
25% ≤	39.0	37.0	40.5	46.0	53.1	63.0	71.6	72.0	68.0	59.0	50.9	42.1
MEDIAN	44.6	42.8	45.0	50.0	57.9	68.0	73.9	75.0	71.6	64.0	56.5	48.0
75% ≤	50.0	48.9	51.1	55.9	62.6	72.0	77.0	78.1	75.0	68.0	62.1	55.0
95% ≤	60.1	57.9	60.1	64.0	69.8	77.0	81.0	81.5	80.0	74.1	68.0	63.0
NUMBER OF OBS	2768	2721	2881	2912	2898	2834	3006	3084	3212	2903	2695	2490
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	43.0	39.2	39.2	40.6	45.0	55.0	66.0	69.1	65.3	59.0	53.1	46.4
MEDIAN	54.0	50.2	50.0	50.4	56.1	66.0	73.9	75.9	73.9	68.0	63.0	57.9
95% ≤	64.9	62.6	64.0	66.0	69.1	77.0	80.1	82.0	80.1	75.9	73.0	68.1
NUMBER OF OBS	2646	2600	2757	2754	2751	2682	2842	2900	3025	2759	2538	2410
MEAN RELATIVE HUMIDITY (%)	79	79	78	82	82	85	84	81	79	76	77	76
NUMBER OF OBS	1575	1493	1703	1753	1680	1715	1837	1911	1935	1672	1723	1561
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	12.0	13.2	8.6	6.9	5.9	4.6	4.1	4.5	6.1	5.1	8.4	10.8
% FREQUENCY OF THUNDER AND LIGHTNING	1.9	1.3	1.4	1.1	1.1	1.5	2.9	3.3	2.2	1.8	2.0	1.7
NUMBER OF OBS	2192	2177	2376	2286	2188	2145	2311	2402	2305	2224	2021	1880
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	16.6	16.4	28.9	36.4	37.4	37.9	35.2	35.8	36.5	34.3	24.9	15.7
% FREQUENCY 7-8 OKTAS OR OBSCURED	58.2	57.3	46.3	41.8	38.6	36.0	32.5	29.3	31.4	33.4	44.0	58.6
NUMBER OF OBS	2723	2667	2862	2796	2834	2700	2815	2964	3071	2894	2603	2486
VISIBILITY (% FREQUENCY < 2 N. MI.)	3.2	5.3	5.5	7.8	8.5	9.8	4.6	2.5	2.3	1.8	2.3	2.5
NUMBER OF OBS	2418	2381	2612	2571	2473	2466	2708	2696	2701	2447	2284	2091
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	5.8	7.7	5.3	3.4	1.0	.5	.1	.6	1.8	2.8	4.8	7.0
5% ≤	5.0	5.0	5.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	5.0
MEDIAN	17.0	17.0	15.0	14.0	11.0	10.0	10.0	10.0	12.0	13.0	15.0	16.0
95% ≤	35.0	37.0	34.0	30.0	25.0	22.0	20.0	21.0	26.0	30.0	33.0	37.0
NUMBER OF OBS	2788	2731	2911	2922	2919	2867	3027	3106	3230	2931	2730	2502
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
MEDIAN	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9
95% ≤	14.8	14.8	13.1	11.5	8.2	8.2	6.6	6.6	9.8	11.5	13.1	13.1
% FREQUENCY ≥ 5 FT	65.7	63.0	57.5	49.3	33.6	26.6	23.9	28.2	38.4	51.6	58.1	62.9
% FREQUENCY ≥ 8 FT	29.8	31.7	23.6	17.5	8.4	5.1	3.8	4.9	13.0	19.9	25.1	27.4
% FREQUENCY ≥ 12 FT	12.2	13.4	10.4	6.4	2.6	1.3	.3	1.3	4.8	6.5	9.0	10.8
NUMBER OF OBS	1780	1810	1909	1809	1755	1695	1819	1871	1819	1796	1586	1549

Table I-6.--Continued

AREA: 451 36-37°N 64-65°W

PERIOD OF RECORD: 1880 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	997.5	996.0	996.9	1000.6	1008.9	1006.8	1012.1	1011.3	1010.0	1006.3	1003.7	1001.7
MEDIAN	1016.4	1016.4	1015.0	1015.9	1018.2	1018.2	1020.0	1019.0	1018.8	1017.3	1016.0	1016.3
95% ≤	1030.5	1026.8	1028.7	1028.2	1028.1	1025.1	1026.8	1025.4	1025.7	1026.0	1027.1	1028.8
NUMBER OF OBS	261	219	264	211	243	189	193	205	210	196	256	239
AIR TEMPERATURE (DEGREES F)												
5% ≤	49.5	47.3	48.2	52.9	60.1	67.3	73.8	72.5	70.2	66.2	57.9	51.6
25% ≤	55.0	52.5	54.0	58.1	64.9	71.6	76.6	77.0	74.1	70.0	63.0	57.9
MEDIAN	60.1	57.0	57.9	63.0	68.0	73.9	78.1	79.0	77.0	73.0	68.0	62.1
75% ≤	64.4	62.1	63.0	66.9	71.2	75.9	80.1	81.0	79.9	75.9	71.1	66.2
95% ≤	68.0	66.9	66.0	70.0	75.0	79.0	82.9	84.2	82.0	79.0	73.9	70.0
NUMBER OF OBS	294	257	293	234	266	212	215	224	226	246	277	273
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	64.0	60.8	59.5	62.1	64.9	70.0	75.6	77.0	75.2	73.0	69.1	64.4
MEDIAN	68.0	66.0	65.3	67.1	70.2	74.5	79.0	80.6	79.2	77.0	73.4	70.0
95% ≤	72.0	70.0	70.0	73.0	75.9	79.0	82.0	84.9	82.4	80.1	78.1	73.9
NUMBER OF OBS	264	241	274	216	243	197	200	200	205	221	256	250
MEAN RELATIVE HUMIDITY (%)	77	76	75	80	77	82	81	79	75	75	75	75
NUMBER OF OBS	214	187	202	166	200	159	160	156	168	143	218	192
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	14.1	10.8	14.7	10.6	6.8	8.7	7.1	5.0	6.1	9.8	13.5	15.1
% FREQUENCY OF THUNDER AND LIGHTNING	4.7	5.2	6.0	5.8	3.0	6.5	4.6	7.2	5.2	4.9	7.8	4.4
NUMBER OF OBS	255	212	252	207	235	184	196	181	212	205	245	225
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	7.5	5.5	11.2	17.8	21.6	25.5	22.6	32.6	27.0	18.4	11.6	9.7
% FREQUENCY 7-8 OKTAS OR OBSCURED	58.2	60.2	54.5	44.5	44.2	36.8	28.1	18.8	27.9	34.8	46.8	51.1
NUMBER OF OBS	292	256	286	236	269	212	221	218	233	250	267	268
VISIBILITY (% FREQUENCY < 2 N. MI.)	1.4	3.0	1.8	.9	.4	3.0	.5	.5	.5	.0	1.8	.4
NUMBER OF OBS	284	232	274	221	258	203	207	210	221	219	274	250
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	14.0	20.0	15.2	8.8	1.8	.5	.0	.0	1.3	4.4	6.8	13.8
5% ≤	5.0	5.0	5.9	7.0	2.0	2.9	2.0	2.0	2.7	2.0	4.0	5.0
MEDIAN	20.0	21.0	20.0	18.0	15.0	13.0	13.0	10.0	13.0	14.0	19.0	20.0
95% ≤	42.0	44.0	44.0	37.0	29.3	25.2	24.8	24.8	29.3	32.0	36.0	42.0
NUMBER OF OBS	300	260	297	238	275	217	224	224	234	251	280	275
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	3.3	3.3	1.6	1.6	1.6	1.6	.0	.0	.0	1.6	1.6	1.6
MEDIAN	8.2	8.2	8.2	6.6	4.9	4.9	3.3	3.3	4.9	4.9	6.6	8.2
95% ≤	19.7	23.3	23.0	14.8	11.5	9.3	9.8	9.8	13.1	11.5	14.8	19.8
% FREQUENCY ≥ 5 FT	87.4	87.0	81.5	74.1	57.5	51.4	45.9	45.5	58.1	67.3	80.4	83.1
% FREQUENCY ≥ 8 FT	50.5	50.8	54.9	34.7	24.4	10.3	11.9	13.1	20.0	26.7	42.9	50.6
% FREQUENCY ≥ 12 FT	26.9	28.8	30.8	13.5	5.7	3.4	1.9	1.4	8.8	8.7	17.9	30.3
NUMBER OF OBS	182	177	195	170	193	146	159	145	160	150	184	178

Table I-6.--Continued

AREA: 461 36-37°N 68-69°W

PERIOD OF RECORD: 1859 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	999.7	994.8	999.9	1002.2	1007.7	1007.4	1008.9	1009.9	1007.1	1005.8	1002.8	1000.8
MEDIAN	1017.0	1014.7	1016.2	1016.8	1017.7	1018.1	1018.2	1017.0	1017.5	1017.7	1017.3	1016.9
95% ≤	1030.0	1029.1	1029.4	1029.2	1026.4	1026.3	1025.2	1022.7	1025.4	1026.9	1028.4	1028.8
NUMBER OF OBS	874	694	929	903	957	913	790	849	758	744	696	720
AIR TEMPERATURE (DEGREES F)												
5% ≤	46.8	46.0	47.8	51.6	61.0	66.9	73.8	73.9	70.0	62.1	57.0	47.8
25% ≤	54.0	52.0	53.6	57.9	66.0	72.0	77.0	77.0	74.1	67.3	63.0	55.0
MEDIAN	59.0	57.0	57.9	63.0	69.1	74.8	78.8	79.0	77.0	71.1	66.9	60.4
75% ≤	64.2	62.6	63.3	67.6	72.0	77.0	80.1	81.0	79.0	74.8	70.0	66.0
95% ≤	68.5	68.0	68.0	72.0	75.9	82.0	84.0	84.0	82.0	78.1	75.0	71.1
NUMBER OF OBS	919	749	1001	969	1017	970	856	901	816	791	750	772
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	64.0	62.1	62.1	64.0	66.2	71.1	75.0	77.0	75.9	73.0	69.8	66.9
MEDIAN	69.1	66.9	68.0	69.1	72.0	75.9	80.1	81.0	80.1	78.1	73.9	72.0
95% ≤	73.0	72.0	72.0	75.9	78.1	82.0	82.9	84.0	83.8	82.0	79.7	75.9
NUMBER OF OBS	853	695	929	902	970	895	819	838	726	740	686	712
MEAN RELATIVE HUMIDITY (%)	75	74	74	73	75	77	79	77	75	71	71	74
NUMBER OF OBS	685	587	726	776	797	761	697	711	626	625	594	628
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	17.3	17.9	9.4	8.1	7.7	7.1	8.9	6.2	8.4	5.4	7.1	14.2
% FREQUENCY OF THUNDER AND LIGHTNING	4.1	4.8	3.0	2.6	3.4	2.0	5.8	4.8	3.3	3.6	4.3	4.3
NUMBER OF OBS	846	683	914	873	914	900	789	826	754	717	677	717
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	8.3	4.6	10.6	19.9	26.6	27.1	18.4	24.5	25.9	23.8	17.5	6.3
% FREQUENCY 7-8 OKTAS OR OBSCURED	65.5	65.6	55.2	45.2	37.3	36.8	35.5	32.7	30.6	31.5	44.1	65.5
NUMBER OF OBS	914	741	1003	970	1005	988	866	906	820	793	744	763
VISIBILITY (% FREQUENCY < 2 N. MI.)	1.7	2.2	.5	.5	1.0	.8	.8	.5	.6	.4	.8	1.9
NUMBER OF OBS	889	723	967	937	974	931	824	872	797	773	722	746
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	10.7	11.4	8.8	4.5	1.4	.4	.8	.4	3.2	2.0	6.4	8.3
5% ≤	6.0	6.0	5.0	5.0	2.0	2.0	3.0	.0	.0	3.0	4.0	5.0
MEDIAN	20.0	20.0	18.0	16.0	13.0	12.0	13.0	11.0	11.0	14.0	16.0	20.0
95% ≤	38.0	40.0	37.0	33.0	26.0	24.0	26.0	24.0	30.0	30.0	35.0	36.0
NUMBER OF OBS	927	748	1011	982	1024	986	865	906	824	799	751	771
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	1.6	1.6
MEDIAN	6.6	6.6	4.9	4.9	3.3	3.3	3.3	3.3	3.3	4.9	4.9	6.6
95% ≤	14.8	19.7	16.4	13.1	8.2	8.2	8.2	8.2	14.8	9.8	14.8	18.0
% FREQUENCY ≥ 5 FT	71.1	70.1	66.8	60.4	33.1	28.9	27.3	35.3	36.5	51.6	58.9	71.6
% FREQUENCY ≥ 8 FT	42.3	39.9	31.4	24.7	8.3	6.2	8.0	5.2	16.3	16.1	29.0	36.0
% FREQUENCY ≥ 12 FT	16.7	22.3	14.7	10.8	2.1	1.4	2.2	1.7	8.7	4.9	15.6	17.8
NUMBER OF OBS	719	566	777	765	800	712	674	706	644	610	559	584

Table I-6.--Continued

AREA: 471 36-37°N 72-73°W

PERIOD OF RECORD: 1856 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1000.0	999.5	1000.0	1002.0	1006.1	1007.5	1010.5	1009.8	1008.5	1004.7	1005.6	1002.6
MEDIAN	1018.3	1016.9	1016.6	1016.6	1016.9	1016.2	1018.0	1017.3	1018.3	1018.0	1018.3	1019.0
95% ≤	1031.5	1030.5	1028.4	1028.3	1026.4	1024.0	1024.4	1023.4	1024.7	1027.8	1028.4	1031.2
NUMBER OF OBS	1038	967	974	966	989	1074	1054	1141	982	981	901	953
AIR TEMPERATURE (DEGREES F)												
5% ≤	39.9	37.4	41.7	46.9	57.0	66.0	72.0	72.5	68.0	59.0	50.9	42.1
25% ≤	48.0	46.9	48.9	55.0	64.4	71.1	75.9	77.0	73.0	66.0	59.0	50.0
MEDIAN	54.9	54.0	54.0	61.5	69.1	73.9	79.0	79.2	75.9	70.0	64.4	57.0
75% ≤	62.1	61.0	62.1	68.0	73.0	78.1	81.0	81.5	79.0	73.9	69.8	62.6
95% ≤	69.1	69.1	69.1	73.9	77.9	82.0	84.0	84.6	82.9	78.1	74.1	70.0
NUMBER OF OBS	1095	1041	1055	1021	1052	1117	1124	1199	1066	1057	964	1024
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	54.0	52.0	49.1	48.0	55.9	64.0	72.0	75.0	72.0	66.9	62.1	57.0
MEDIAN	70.0	68.0	68.0	69.1	73.0	77.0	80.1	81.5	80.1	77.0	73.9	70.0
95% ≤	75.9	75.0	75.0	77.0	80.1	82.4	84.9	86.0	84.2	82.0	80.1	77.0
NUMBER OF OBS	1024	976	990	970	985	1053	1052	1128	987	986	893	957
MEAN RELATIVE HUMIDITY (%)	76	76	74	75	77	80	80	78	77	74	73	74
NUMBER OF OBS	753	734	760	755	756	765	737	883	709	742	714	731
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	11.9	11.2	8.2	5.8	5.4	5.8	5.9	6.2	6.1	6.0	8.4	7.9
% FREQUENCY OF THUNDER AND LIGHTNING	2.4	2.0	3.3	3.2	4.4	5.1	5.9	6.6	3.4	3.4	3.9	3.2
NUMBER OF OBS	964	918	937	930	952	1037	1041	1035	942	935	870	935
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	11.2	12.2	18.4	30.7	30.1	31.6	26.4	26.2	30.5	25.8	20.4	15.7
% FREQUENCY 7-8 OKTAS OR OBSCURED	60.4	60.2	52.0	39.8	36.9	33.3	30.3	31.1	33.5	38.2	40.4	53.5
NUMBER OF OBS	1077	1017	1030	1006	1047	1087	1104	1125	1049	1026	952	1016
VISIBILITY (% FREQUENCY < 2 N. MI.)	2.4	3.3	3.2	2.0	1.7	2.1	.5	.9	1.1	1.4	1.6	1.6
NUMBER OF OBS	1062	1020	1013	1005	1010	1103	1099	1174	1020	1036	941	992
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	7.5	8.6	8.7	4.1	1.0	.4	.6	.5	1.7	2.4	4.2	4.7
5% ≤	5.0	5.0	5.0	5.0	3.8	3.0	2.0	3.0	2.0	4.0	5.0	5.0
MEDIAN	17.0	18.0	17.0	15.0	13.0	12.0	10.0	10.0	12.0	15.0	15.0	16.0
95% ≤	36.0	37.0	37.0	30.7	25.0	24.8	22.0	23.0	27.0	30.0	32.0	33.0
NUMBER OF OBS	1098	1046	1064	1027	1055	1125	1122	1200	1075	1053	969	1029
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	1.6	1.6
MEDIAN	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9
95% ≤	13.4	13.1	14.8	11.5	9.8	8.2	8.2	8.2	9.8	11.5	11.5	11.5
% FREQUENCY ≥ 5 FT	68.1	69.4	65.7	60.4	45.0	37.6	31.1	34.6	44.1	55.6	65.7	61.9
% FREQUENCY ≥ 8 FT	30.2	33.4	29.6	23.0	12.6	7.5	5.3	6.1	12.5	18.4	22.7	23.6
% FREQUENCY ≥ 12 FT	12.6	12.3	12.5	7.2	3.6	1.5	1.1	1.1	3.6	6.7	6.7	7.3
NUMBER OF OBS	817	746	761	788	795	868	834	848	785	777	717	793

Table I-6.--Continued

AREA: 481 34-35°N 71-72°W

PERIOD OF RECORD: 1859 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1003.7	1001.7	1002.6	1004.4	1009.5	1008.9	1010.6	1011.2	1010.5	1005.8	1005.8	1006.8
MEDIAN	1019.1	1018.0	1018.0	1018.1	1018.0	1017.3	1018.6	1017.6	1018.3	1017.0	1018.3	1018.6
95% ≤	1030.3	1028.1	1030.6	1029.5	1025.8	1023.4	1026.2	1023.0	1024.3	1025.1	1028.1	1030.5
NUMBER OF OBS	823	623	816	782	819	1047	998	790	736	910	724	663
AIR TEMPERATURE (DEGREES F)												
5% ≤	50.0	48.9	51.1	55.6	64.0	70.0	75.0	75.0	73.0	64.9	57.9	51.3
25% ≤	55.9	55.9	55.9	61.9	68.0	73.9	77.0	78.6	75.9	71.1	64.4	57.9
MEDIAN	62.1	60.1	61.0	66.0	70.0	75.2	79.0	80.1	78.1	73.9	68.0	62.4
75% ≤	66.0	64.4	66.0	69.1	73.0	78.1	80.4	82.0	80.1	75.9	71.1	66.4
95% ≤	70.0	69.1	70.0	73.0	76.5	82.0	84.0	85.1	84.0	79.0	75.0	71.1
NUMBER OF OBS	860	671	861	815	838	1072	1056	827	793	938	764	712
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	64.0	62.1	63.0	64.0	66.9	72.0	76.5	78.1	77.0	73.9	69.8	66.4
MEDIAN	69.1	66.9	66.9	68.0	72.0	77.0	80.6	82.0	80.6	78.1	73.9	70.0
95% ≤	73.9	72.0	72.0	73.9	77.0	82.0	84.0	84.9	84.0	81.0	79.0	75.9
NUMBER OF OBS	812	633	824	794	813	1023	1020	789	760	907	729	683
MEAN RELATIVE HUMIDITY (%)	75	73	73	76	81	81	81	81	77	74	71	71
NUMBER OF OBS	621	471	634	582	691	787	822	640	539	693	628	535
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	10.6	11.3	7.1	7.7	6.7	4.9	6.4	5.1	5.3	8.1	5.0	9.9
% FREQUENCY OF THUNDER AND LIGHTNING	2.6	2.5	2.9	3.9	2.1	3.3	5.6	5.4	3.4	2.8	2.6	2.6
NUMBER OF OBS	800	610	807	771	801	1046	960	792	736	904	726	680
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	14.8	12.4	15.3	24.4	22.5	27.7	24.1	25.2	28.9	23.0	22.7	12.3
% FREQUENCY 7-8 OKTAS OR OBSCURED	53.7	54.9	51.8	38.4	40.8	34.1	34.0	29.4	27.8	34.0	39.3	53.9
NUMBER OF OBS	847	661	857	808	835	1072	1055	820	790	929	754	709
VISIBILITY (% FREQUENCY < 2 N. MI.)	.4	.3	1.1	.6	1.9	.8	.5	.1	.5	.8	.7	.9
NUMBER OF OBS	833	653	827	791	826	1061	1031	806	759	929	746	697
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	5.9	7.2	4.6	2.7	1.1	.6	.6	.7	1.0	2.1	3.8	5.0
5% ≤	5.0	6.0	3.0	5.0	2.0	2.0	2.1	2.0	2.0	4.0	4.0	5.9
MEDIAN	18.0	18.0	16.0	15.0	12.0	12.0	12.0	10.0	11.0	15.0	15.0	17.0
95% ≤	35.0	35.2	33.0	30.0	25.0	24.0	24.0	22.0	25.0	30.0	30.0	33.2
NUMBER OF OBS	858	676	868	816	844	1079	1062	827	795	941	762	717
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	1.6	.0	.0	.0	.0	.0	1.6	.0	1.6
MEDIAN	4.9	6.6	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9
95% ≤	13.1	14.8	13.1	9.8	9.8	8.2	6.6	8.2	9.8	9.8	9.8	13.0
% FREQUENCY ≥ 5 FT	67.7	72.7	65.3	59.6	39.6	31.7	26.5	35.1	33.1	45.1	61.4	60.1
% FREQUENCY ≥ 8 FT	30.8	35.2	26.4	18.2	10.7	5.8	2.8	6.8	11.8	15.7	17.7	21.9
% FREQUENCY ≥ 12 FT	11.5	16.8	9.2	4.6	3.6	1.2	.1	1.6	4.1	4.8	4.7	8.3
NUMBER OF OBS	705	494	709	681	699	823	825	692	634	807	611	602

Table I-6.--Continued

AREA: 482 32-33°N 71-72°W

PERIOD OF RECORD: 1857 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1004.1	1003.7	1004.7	1007.4	1009.0	1010.8	1012.6	1011.5	1010.8	1006.4	1007.1	1006.6
MEDIAN	1019.3	1018.3	1018.0	1018.3	1018.3	1018.3	1020.0	1018.3	1017.5	1016.6	1017.6	1019.3
95% ≤	1029.2	1029.1	1028.2	1027.4	1026.1	1024.7	1025.3	1023.0	1023.0	1024.7	1026.8	1029.1
NUMBER OF OBS	539	599	660	639	682	634	666	682	654	655	638	596
AIR TEMPERATURE (DEGREES F)												
5% ≤	54.0	51.1	55.0	59.0	64.9	71.1	75.9	75.9	73.9	68.0	61.5	57.0
25% ≤	60.1	57.9	59.2	64.0	69.1	73.9	78.1	79.2	77.0	72.0	66.9	62.1
MEDIAN	64.0	63.0	64.0	66.9	71.1	75.9	80.1	81.0	79.0	75.0	70.0	66.0
75% ≤	66.9	66.0	66.2	69.8	73.9	78.1	81.0	82.0	80.1	77.0	73.0	69.1
95% ≤	70.0	70.0	70.0	73.0	77.0	82.0	84.9	86.0	84.0	80.1	75.9	72.0
NUMBER OF OBS	607	641	708	679	714	665	698	723	678	700	694	650
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	64.4	63.7	64.0	64.9	66.9	72.0	77.0	78.6	77.5	74.1	70.0	67.1
MEDIAN	68.0	68.0	66.9	68.0	72.0	75.9	80.6	82.0	81.0	78.1	73.9	71.1
95% ≤	73.9	72.0	71.6	73.0	75.9	81.1	84.0	86.0	84.9	82.0	78.1	75.4
NUMBER OF OBS	571	603	662	628	664	629	637	677	635	639	638	597
MEAN RELATIVE HUMIDITY (%)	75	76	75	79	80	84	83	82	79	76	74	74
NUMBER OF OBS	431.	465	513	494	542	503	511	541	509	480	514	468
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	6.2	7.1	8.7	3.8	4.2	5.3	6.3	3.6	5.4	7.9	4.7	7.4
% FREQUENCY OF THUNDER AND LIGHTNING	3.1	3.1	3.2	2.2	4.2	4.7	6.6	8.3	5.7	3.7	2.8	3.6
NUMBER OF OBS	545	550	633	630	660	600	648	687	651	643	637	591
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	17.1	16.6	22.3	32.3	32.6	29.5	25.2	30.8	28.4	21.9	23.0	18.8
% FREQUENCY 7-8 OKTAS OR OBSCURED	45.2	45.8	46.0	32.9	30.6	30.2	27.4	24.4	30.8	34.0	30.7	43.5
NUMBER OF OBS	602	620	692	669	712	655	705	717	672	694	696	650
VISIBILITY (% FREQUENCY < 2 N. MI.)	2.4	1.1	.7	.6	.7	.3	.6	.4	.9	.6	.6	1.3
NUMBER OF OBS	582	614	673	660	692	649	681	711	669	681	672	628
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	5.9	5.3	3.2	1.5	.4	1.0	.1	.0	.7	1.9	2.4	3.8
5% ≤	5.0	5.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	4.0
MEDIAN	15.0	16.0	15.0	13.0	10.0	10.0	10.0	10.0	10.0	13.0	15.0	15.0
95% ≤	35.0	34.0	30.0	26.0	23.0	20.0	20.7	20.0	25.0	28.0	30.0	30.0
NUMBER OF OBS	609	641	711	684	719	667	706	721	679	702	698	656
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	.0	1.6	1.6
MEDIAN	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9
95% ≤	11.5	13.1	11.5	9.8	8.2	8.2	6.6	8.2	9.8	9.8	11.5	11.5
% FREQUENCY ≥ 5 FT	65.7	69.8	65.8	54.9	42.4	35.2	30.5	37.8	45.8	60.2	62.4	63.3
% FREQUENCY ≥ 8 FT	27.0	32.0	24.9	17.0	8.3	6.7	3.3	6.3	11.7	19.8	21.6	23.4
% FREQUENCY ≥ 12 FT	8.0	12.8	6.8	4.2	1.9	1.3	.2	.9	3.6	5.0	6.0	7.4
NUMBER OF OBS	437	444	514	523	540	523	514	543	548	525	519	488

Table I-6.--Continued

AREA: 483 34-35°N 66-67°W

PERIOD OF RECORD: 1857 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1003.3	1000.6	1001.0	1005.2	1007.8	1009.7	1012.5	1012.3	1010.8	1007.7	1002.3	1004.4
MEDIAN	1018.6	1018.7	1017.0	1017.9	1017.8	1018.4	1019.4	1018.2	1018.4	1017.3	1017.5	1018.1
95% ≤	1030.3	1030.7	1029.5	1029.7	1026.8	1025.0	1026.2	1024.5	1024.2	1025.3	1026.8	1027.8
NUMBER OF OBS	244	244	291	333	342	296	315	318	271	276	279	251
AIR TEMPERATURE (DEGREES F)												
5% ≤	53.1	52.0	52.3	55.6	63.0	69.4	74.1	75.0	72.0	67.1	60.1	55.9
25% ≤	57.9	57.0	57.9	60.6	66.9	72.0	77.0	78.1	75.9	71.1	66.0	61.0
MEDIAN	62.6	61.0	61.0	64.0	69.1	73.9	78.4	79.9	77.9	73.4	69.1	64.0
75% ≤	66.0	64.9	64.0	66.9	71.1	75.9	80.1	80.6	79.0	75.9	72.0	68.0
95% ≤	69.3	68.0	68.0	70.5	73.9	79.0	82.4	84.0	82.0	79.0	75.0	72.0
NUMBER OF OBS	284	299	347	392	368	321	352	348	329	312	318	294
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	63.0	62.6	62.1	62.6	66.0	70.7	75.2	78.1	76.5	73.0	69.3	66.0
MEDIAN	68.0	66.0	66.0	66.9	71.1	75.2	80.1	81.0	80.4	77.0	73.9	70.0
95% ≤	72.0	70.0	70.0	71.1	75.9	80.1	84.0	84.4	84.0	81.0	78.1	75.0
NUMBER OF OBS	249	272	312	344	324	268	300	277	275	270	274	267
MEAN RELATIVE HUMIDITY (%)	75	76	74	78	81	85	85	81	77	76	74	76
NUMBER OF OBS	213	184	250	273	297	247	260	253	232	243	236	213
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	11.3	9.1	5.6	7.5	6.9	4.4	4.4	6.8	6.5	9.4	6.7	10.4
% FREQUENCY OF THUNDER AND LIGHTNING	5.0	4.8	5.2	5.9	3.3	3.6	5.8	9.8	5.7	7.1	4.7	1.3
NUMBER OF OBS	239	209	267	305	303	275	295	296	246	266	255	231
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	8.2	9.9	15.7	24.3	27.1	20.4	27.3	33.3	35.2	20.7	18.2	11.2
% FREQUENCY 7-8 OKTAS OR OBSCURED	48.4	44.2	46.6	35.9	37.8	36.4	21.4	21.4	20.8	33.4	38.5	40.7
NUMBER OF OBS	279	294	343	395	362	319	355	351	318	314	314	295
VISIBILITY (% FREQUENCY < 2 N. MI.)	1.1	.8	.9	.8	.8	.7	.6	.0	.0	.7	.3	1.5
NUMBER OF OBS	266	251	326	358	353	299	324	333	296	305	293	267
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	12.4	6.6	5.7	3.3	.3	.0	.3	.6	1.2	1.9	6.3	7.3
5% ≤	5.0	5.0	5.0	5.0	3.0	2.0	2.0	2.0	2.0	2.7	5.0	5.0
MEDIAN	18.0	18.0	16.0	15.0	11.0	11.0	10.0	9.0	10.0	13.0	16.0	18.0
95% ≤	40.0	36.0	35.0	30.0	25.0	21.0	24.1	20.0	24.0	30.0	35.0	33.0
NUMBER OF OBS	283	301	353	395	372	318	359	351	328	314	320	301
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	3.3	1.6	1.6	1.6	1.6	.0	.0	.0	1.6	1.6	1.6
MEDIAN	6.6	6.6	6.6	4.9	4.9	3.3	3.3	3.3	3.3	4.9	6.6	6.6
95% ≤	19.7	18.7	14.8	13.1	9.8	8.2	8.2	8.2	14.8	11.5	14.8	14.8
% FREQUENCY ≥ 5 FT	84.9	81.7	78.8	68.2	54.1	44.0	45.6	44.3	47.3	64.3	71.4	76.3
% FREQUENCY ≥ 8 FT	47.1	45.1	48.1	27.7	18.2	8.7	9.2	10.4	17.7	25.1	34.4	41.6
% FREQUENCY ≥ 12 FT	22.1	20.3	21.7	10.5	3.2	2.4	1.9	2.0	9.7	6.3	16.1	17.9
NUMBER OF OBS	172	153	189	220	220	207	206	201	186	207	192	173

Table I-6.--Continued

AREA: 484 30-31°N 71-72°W PERIOD OF RECORD: 1873 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1005.9	1005.8	1005.1	1009.1	1008.5	1011.2	1014.3	1012.5	1010.2	1006.8	1009.1	1008.9
MEDIAN	1020.0	1018.6	1018.3	1020.0	1018.0	1018.0	1020.3	1018.8	1017.3	1016.2	1018.0	1020.0
95% ≤	1029.4	1028.4	1027.1	1027.3	1024.7	1023.7	1025.4	1023.4	1021.7	1022.4	1025.7	1028.1
NUMBER OF OBS	585	582	649	543	578	600	565	585	565	611	580	565
AIR TEMPERATURE (DEGREES F)												
5% ≤	57.9	57.9	58.8	62.1	67.8	72.0	76.3	78.1	75.9	72.0	64.9	61.0
25% ≤	63.0	63.0	63.0	66.0	71.1	75.0	79.7	80.1	78.1	75.0	70.0	64.9
MEDIAN	66.9	66.2	66.0	68.2	73.0	77.2	81.0	82.0	80.1	77.0	72.0	68.0
75% ≤	70.0	69.1	69.1	71.1	75.2	79.5	82.9	84.0	82.0	79.0	74.3	71.1
95% ≤	73.0	73.0	73.9	75.9	80.1	82.9	87.1	88.0	86.0	82.0	78.1	73.9
NUMBER OF OBS	630	638	681	586	586	633	596	611	596	657	621	594
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	66.2	65.3	64.9	66.0	69.8	73.9	78.1	80.1	78.1	75.9	72.0	68.4
MEDIAN	70.0	69.1	68.7	70.0	73.0	78.1	82.0	82.9	82.0	79.0	75.9	72.0
95% ≤	73.9	73.9	73.4	73.9	78.1	82.0	84.9	86.0	84.9	82.9	80.1	77.0
NUMBER OF OBS	592	595	643	531	551	593	561	557	552	594	582	555
MEAN RELATIVE HUMIDITY (%)	77	77	78	79	81	85	82	81	80	79	76	74
NUMBER OF OBS	465	453	515	398	438	457	437	441	408	441	436	435
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	4.7	6.2	5.8	2.9	5.1	4.8	2.8	3.6	3.5	7.1	3.8	3.8
% FREQUENCY OF THUNDER AND LIGHTNING	2.3	4.0	3.1	2.0	2.2	4.3	7.4	7.9	7.5	6.3	4.8	3.1
NUMBER OF OBS	572	569	637	548	550	585	564	585	546	617	582	549
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	23.4	23.8	23.3	33.4	34.5	25.8	33.1	36.5	25.0	22.0	25.1	20.5
% FREQUENCY 7-8 OKTAS OR OBSCURED	35.0	36.5	33.3	25.7	27.9	32.6	20.0	17.9	26.7	34.6	29.1	34.2
NUMBER OF OBS	625	627	687	584	585	631	590	608	591	645	622	594
VISIBILITY (% FREQUENCY < 2 N. MI.)	.5	.5	1.6	.5	.5	.3	.3	.2	.3	1.4	.2	.0
NUMBER OF OBS	613	617	671	567	583	621	583	608	577	651	610	584
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	2.2	3.0	3.0	.3	.2	.6	.0	.3	.7	1.1	1.9	2.0
5% ≤	4.0	2.0	4.0	3.0	2.0	2.0	2.0	.0	1.0	2.0	3.0	3.0
MEDIAN	13.0	13.0	13.5	12.0	10.0	10.0	9.0	9.0	10.0	13.0	13.0	13.0
95% ≤	28.0	30.0	30.0	24.0	20.0	22.0	18.0	18.4	24.0	27.0	26.0	28.0
NUMBER OF OBS	635	637	691	577	588	634	597	612	596	656	628	603
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	.0	1.6	.0
MEDIAN	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9
95% ≤	11.5	12.0	11.5	9.8	8.2	7.2	6.6	6.6	9.8	9.8	9.8	11.5
% FREQUENCY ≥ 5 FT	57.2	57.6	59.0	46.3	34.4	30.9	27.0	25.6	43.4	57.8	60.8	56.9
% FREQUENCY ≥ 8 FT	21.8	21.1	18.6	13.7	6.1	5.1	2.5	3.5	12.3	17.6	18.0	17.9
% FREQUENCY ≥ 12 FT	8.7	9.3	5.2	4.2	1.3	1.2	.2	1.0	4.4	4.8	4.4	5.4
NUMBER OF OBS	481	474	537	432	474	512	477	484	454	495	482	480

Table I-6.--Continued

AREA: 491 31-32°N 76-77°W

PERIOD OF RECORD: 1857 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1006.8	1004.4	1006.1	1006.5	1009.1	1010.5	1011.9	1011.5	1010.5	1007.5	1008.4	1007.5
MEDIAN	1020.0	1018.3	1017.6	1018.6	1017.6	1016.9	1018.6	1017.6	1016.9	1017.5	1018.6	1020.0
95% ≤	1029.4	1028.4	1027.4	1027.0	1024.7	1022.7	1023.7	1022.0	1022.0	1024.4	1026.1	1028.4
NUMBER OF OBS	1441	1275	1508	1323	1421	1575	1572	1532	1379	1371	1432	1419
AIR TEMPERATURE (DEGREES F)												
5% ≤	53.1	53.1	55.0	62.1	69.1	73.0	76.1	77.0	75.0	68.0	61.0	55.4
25% ≤	60.1	61.0	62.1	66.9	72.0	75.9	79.5	80.1	78.1	73.0	68.0	63.0
MEDIAN	65.3	66.0	66.9	70.0	74.3	78.1	81.0	82.0	80.1	75.9	71.6	68.0
75% ≤	69.8	69.8	70.0	73.0	77.0	80.6	82.9	82.9	82.0	78.1	73.9	71.1
95% ≤	73.0	73.0	73.9	75.9	80.1	84.0	86.0	86.0	84.9	82.0	77.4	75.0
NUMBER OF OBS	1498	1314	1537	1369	1446	1601	1599	1562	1408	1428	1451	1457
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	68.0	66.9	66.9	68.0	72.0	75.2	79.0	80.1	79.0	75.9	72.0	70.0
MEDIAN	72.0	72.0	72.0	73.0	75.9	80.1	82.0	84.0	82.4	80.1	77.0	73.9
95% ≤	76.1	75.9	75.9	78.1	80.2	84.0	86.0	86.0	86.0	84.0	81.0	78.1
NUMBER OF OBS	1465	1291	1512	1343	1422	1578	1569	1527	1377	1400	1435	1432
MEAN RELATIVE HUMIDITY (%)	72	74	74	74	78	81	81	80	78	74	72	72
NUMBER OF OBS	1178	1032	1218	1065	1133	1295	1283	1302	1142	1148	1170	1159
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	4.8	5.7	4.4	3.4	2.4	4.0	4.2	5.2	5.1	5.2	3.5	3.9
% FREQUENCY OF THUNDER AND LIGHTNING	3.9	4.2	3.4	3.4	4.8	7.2	10.1	12.3	9.9	5.8	3.7	3.6
NUMBER OF OBS	1427	1250	1485	1313	1402	1560	1568	1526	1370	1352	1417	1404
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	18.0	19.1	22.8	32.6	34.3	30.1	25.4	26.1	24.5	25.2	26.0	17.1
% FREQUENCY 7-8 OKTAS OR OBSCURED	44.8	43.3	40.8	27.6	25.3	27.4	29.5	27.1	31.2	31.6	29.4	45.0
NUMBER OF OBS	1487	1299	1519	1342	1430	1596	1592	1551	1402	1411	1457	1449
VISIBILITY (% FREQUENCY < 2 N. MI.)	.4	.9	.5	1.6	.5	.7	.5	.3	.9	.4	.2	.8
NUMBER OF OBS	1465	1285	1507	1339	1422	1576	1588	1545	1382	1386	1431	1429
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	3.9	5.8	4.0	1.6	.3	.2	.5	.3	1.0	2.1	2.1	4.2
5% ≤	5.0	5.0	5.0	5.0	4.0	3.0	4.0	2.0	3.0	5.0	5.0	5.0
MEDIAN	16.0	17.0	16.0	15.0	13.0	12.0	12.0	12.0	11.0	13.0	15.0	15.0
95% ≤	30.0	35.0	31.3	28.0	23.0	22.0	24.0	21.0	23.4	27.0	29.0	30.0
NUMBER OF OBS	1503	1317	1534	1370	1446	1604	1606	1559	1412	1428	1460	1465
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	.0	1.6
MEDIAN	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9
95% ≤	11.5	13.1	11.5	9.8	8.2	8.2	6.6	8.2	8.2	9.8	9.8	11.5
% FREQUENCY ≥ 5 FT	57.1	61.5	61.0	53.9	37.2	35.8	33.7	31.6	38.1	47.5	48.7	53.0
% FREQUENCY ≥ 8 FT	17.7	24.0	20.7	14.2	5.9	5.7	4.2	5.4	6.9	12.8	13.6	16.3
% FREQUENCY ≥ 12 FT	6.5	9.6	5.7	3.6	1.1	.8	.3	1.6	2.1	3.3	4.0	5.6
NUMBER OF OBS	1314	1157	1374	1190	1291	1461	1443	1403	1248	1260	1312	1296

Table I-6.--Continued

AREA: 501 28-29°N 68-69°W

PERIOD OF RECORD: 1861 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1009.2	1008.1	1007.8	1009.8	1012.9	1012.7	1015.9	1012.9	1008.7	1009.3	1010.2	1011.5
MEDIAN	1020.7	1019.3	1020.0	1020.0	1019.2	1019.4	1021.0	1019.3	1017.2	1016.0	1018.0	1019.3
95% ≤	1028.0	1027.9	1026.8	1026.4	1025.2	1024.1	1024.8	1023.3	1021.5	1021.5	1024.4	1025.4
NUMBER OF OBS	366	412	447	403	331	334	323	351	345	396	396	362
AIR TEMPERATURE (DEGREES F)												
5% ≤	63.9	62.4	62.1	64.9	68.4	73.0	77.0	78.1	76.6	73.9	69.1	66.0
25% ≤	66.9	66.0	66.0	68.0	72.0	76.1	79.7	80.6	79.0	77.0	72.0	68.7
MEDIAN	69.8	68.9	68.5	70.0	73.9	78.1	81.0	82.0	81.0	78.3	73.9	71.1
75% ≤	72.0	71.1	71.1	72.5	75.9	80.1	82.6	83.7	82.0	80.1	75.9	73.0
95% ≤	75.0	74.5	75.0	75.9	80.1	84.0	87.1	87.1	84.4	82.8	79.9	76.1
NUMBER OF OBS	399	460	493	463	366	370	367	393	390	427	430	405
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	68.0	66.9	66.2	68.0	70.3	75.0	78.8	80.6	78.1	76.6	73.4	70.0
MEDIAN	72.0	71.1	71.1	71.6	74.7	78.4	82.0	83.8	82.4	80.1	77.0	73.9
95% ≤	75.9	75.0	75.6	75.9	78.8	82.9	84.9	86.0	86.0	84.0	81.0	78.1
NUMBER OF OBS	340	423	450	420	343	339	336	349	345	388	388	362
MEAN RELATIVE HUMIDITY (%)	75	75	76	76	82	83	79	79	79	80	76	73
NUMBER OF OBS	287	325	365	315	255	260	241	252	268	301	298	293
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	3.8	3.3	5.5	2.5	5.9	6.5	3.0	3.0	3.7	4.9	4.5	4.0
% FREQUENCY OF THUNDER AND LIGHTNING	3.5	3.8	3.0	1.5	3.9	6.2	7.6	7.2	11.3	6.6	5.0	5.1
NUMBER OF OBS	346	391	402	395	305	323	302	333	328	366	381	353
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	29.9	32.3	29.2	34.2	33.5	30.1	36.5	33.8	34.9	23.5	29.6	33.5
% FREQUENCY 7-8 OKTAS OR OBSCURED	26.1	30.3	28.8	20.3	23.3	27.2	11.1	15.3	21.2	26.3	24.9	23.1
NUMBER OF OBS	402	458	483	462	373	382	370	400	392	434	433	403
VISIBILITY (% FREQUENCY < 2 N. MI.)	.8	.5	.2	1.1	.9	.8	.0	.6	.3	.0	.7	.0
NUMBER OF OBS	383	437	475	444	329	354	329	360	352	396	407	379
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	.5	1.1	1.0	.4	.0	.0	.0	1.3	1.5	.0	1.2	1.0
5% ≤	2.0	2.0	2.0	.0	1.0	1.0	2.0	.0	2.0	2.0	2.0	2.0
MEDIAN	13.0	12.0	12.0	10.0	9.0	9.0	8.0	9.0	9.0	12.0	13.0	12.0
95% ≤	25.0	26.0	27.0	22.0	18.6	18.0	17.8	20.0	24.0	24.0	26.3	25.0
NUMBER OF OBS	408	468	504	468	369	381	364	395	389	436	434	403
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.3
MEDIAN	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9
95% ≤	11.5	13.1	9.8	8.2	6.6	6.6	4.9	6.6	11.5	9.8	9.8	11.2
% FREQUENCY ≥ 5 FT	58.3	56.3	55.6	47.7	25.8	30.3	20.9	24.4	39.8	48.6	54.0	52.7
% FREQUENCY ≥ 8 FT	19.7	21.9	18.2	10.2	3.0	2.4	.4	4.3	15.4	12.2	16.4	16.7
% FREQUENCY ≥ 12 FT	5.8	8.3	4.5	2.8	.4	.0	.0	1.7	6.2	3.8	4.9	5.3
NUMBER OF OBS	259	302	313	283	236	251	230	234	241	288	287	264

Table I-6.--Continued

AREA: 502 27-28°N 72-73°W

PERIOD OF RECORD: 1862 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1009.9	1011.8	1009.1	1010.8	1012.5	1013.9	1015.0	1012.6	1009.3	1006.7	1009.9	1012.0
MEDIAN	1021.4	1020.0	1019.6	1019.8	1018.6	1018.6	1019.8	1018.2	1016.2	1015.4	1017.0	1020.0
95% ≤	1026.5	1027.7	1026.3	1025.4	1023.9	1023.4	1023.5	1022.2	1020.0	1021.2	1023.7	1025.7
NUMBER OF OBS	270	299	286	343	335	362	271	281	310	298	290	263
AIR TEMPERATURE (DEGREES F)												
5% ≤	63.5	63.7	63.7	66.0	70.0	73.9	77.2	79.0	77.0	73.0	70.0	66.9
25% ≤	68.0	67.1	68.0	70.0	73.0	77.0	80.1	81.3	80.1	77.0	73.0	69.8
MEDIAN	71.1	70.0	70.9	72.0	75.2	79.0	81.5	82.4	81.0	79.0	75.0	72.0
75% ≤	73.0	72.7	73.0	74.3	77.0	81.0	82.9	84.0	82.8	81.0	77.0	73.9
95% ≤	75.9	75.9	75.9	78.1	80.2	84.6	85.8	87.3	85.1	84.0	79.9	77.0
NUMBER OF OBS	317	354	330	395	389	412	334	332	359	345	349	327
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	69.4	68.2	68.0	69.8	71.8	75.9	79.2	80.1	78.8	77.4	73.9	71.1
MEDIAN	73.0	72.5	72.0	73.4	75.2	79.7	82.0	83.5	82.9	80.6	77.0	74.8
95% ≤	77.0	77.0	75.9	77.0	79.0	82.9	86.0	86.0	86.0	84.0	81.0	79.0
NUMBER OF OBS	301	338	311	374	377	402	324	320	345	322	331	313
MEAN RELATIVE HUMIDITY (%)	76	76	77	77	79	83	79	79	80	78	74	73
NUMBER OF OBS	214	241	222	260	259	272	209	189	239	212	230	226
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	6.3	3.7	1.9	2.6	2.2	5.8	1.3	2.0	3.8	5.7	4.9	2.4
% FREQUENCY OF THUNDER AND LIGHTNING	2.0	1.8	1.1	1.6	4.8	5.8	6.7	8.4	10.4	6.8	6.7	4.3
NUMBER OF OBS	253	272	262	307	314	329	240	251	288	265	268	254
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	33.8	33.4	39.5	36.4	38.9	34.3	38.4	41.2	29.3	25.2	28.0	32.4
% FREQUENCY 7-8 OKTAS OR OBSCURED	26.2	21.7	18.7	18.7	18.0	20.0	14.7	9.8	21.2	30.3	21.8	21.0
NUMBER OF OBS	317	350	332	401	401	426	341	347	368	357	353	324
VISIBILITY (% FREQUENCY < 2 N. MI.)	.7	.0	.7	.8	.6	.3	.0	.0	2.8	.7	.6	.0
NUMBER OF OBS	287	316	300	366	348	374	285	295	322	307	310	289
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	.0	.3	1.2	.5	.3	.0	.0	.3	1.6	.8	2.0	.9
5% ≤	3.0	2.0	2.0	2.0	.0	2.0	2.0	.4	1.0	2.0	2.0	2.0
MEDIAN	11.0	12.0	10.0	10.0	9.0	9.0	9.0	9.0	9.0	12.0	10.0	10.0
95% ≤	24.0	25.0	24.0	24.0	18.1	18.0	18.0	18.6	26.5	25.0	27.6	24.0
NUMBER OF OBS	317	358	337	403	399	419	340	348	371	354	356	328
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.7	.3
MEDIAN	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	4.9	3.3	4.9
95% ≤	9.8	9.8	9.8	9.8	6.7	6.6	4.9	8.2	9.8	8.2	10.8	9.8
% FREQUENCY ≥ 5 FT	50.7	53.2	50.5	43.3	24.8	20.8	18.0	24.6	39.9	51.0	48.1	53.7
% FREQUENCY ≥ 8 FT	14.8	16.3	15.3	9.1	5.0	4.1	1.0	6.8	10.3	11.5	14.4	13.8
% FREQUENCY ≥ 12 FT	4.3	2.1	4.6	3.2	1.2	.4	.0	.5	4.3	2.9	5.3	3.4
NUMBER OF OBS	209	233	216	252	258	269	205	207	233	208	208	203

Table I-6.--Continued

AREA: 503 25-26°N 69-70°W PERIOD OF RECORD: 1864 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1012.3	1010.5	1010.5	1011.9	1012.2	1013.9	1015.6	1012.9	1010.8	1009.8	1010.5	1012.2
MEDIAN	1020.0	1019.0	1019.3	1018.6	1018.0	1019.0	1020.0	1018.3	1016.3	1015.2	1016.6	1018.9
95% ≤	1026.1	1026.1	1024.4	1023.7	1022.5	1023.2	1023.4	1021.7	1019.6	1019.3	1021.4	1023.7
NUMBER OF OBS	633	608	690	577	650	670	711	661	604	600	614	615
AIR TEMPERATURE (DEGREES F)												
5% ≤	67.5	66.0	66.9	69.1	72.0	75.0	78.8	80.1	78.1	75.9	72.5	69.8
25% ≤	70.0	70.0	70.0	72.0	75.0	78.1	80.2	81.3	80.6	79.0	75.0	72.0
MEDIAN	73.0	72.0	72.0	73.9	75.9	80.1	82.0	82.0	82.0	80.1	77.0	73.9
75% ≤	75.0	74.8	75.0	75.9	78.1	81.0	82.9	84.0	83.7	82.0	78.1	75.9
95% ≤	78.1	78.1	78.6	80.1	81.0	84.0	86.0	87.1	87.1	84.9	82.0	79.0
NUMBER OF OBS	654	632	723	600	668	709	738	672	630	617	632	632
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	71.6	70.2	70.0	72.0	73.0	77.0	80.1	81.5	81.0	79.2	75.9	73.9
MEDIAN	75.9	75.0	75.0	75.2	78.1	80.1	82.9	84.0	84.0	82.0	80.1	77.0
95% ≤	80.1	79.0	79.0	79.0	82.0	84.0	86.0	87.1	87.1	84.9	84.0	82.0
NUMBER OF OBS	603	587	682	566	615	662	687	604	576	568	586	590
MEAN RELATIVE HUMIDITY (%)	77	77	78	78	80	82	79	79	80	80	76	77
NUMBER OF OBS	496	484	567	441	504	502	543	516	468	443	461	475
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	3.4	4.1	4.2	2.5	3.6	3.6	2.0	2.8	4.9	5.2	6.0	3.4
% FREQUENCY OF THUNDER AND LIGHTNING	2.4	2.2	2.3	3.4	3.9	6.2	8.4	7.1	8.2	9.0	4.5	3.5
NUMBER OF OBS	624	582	666	562	640	663	706	634	596	578	596	597
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	35.6	36.8	35.4	34.6	32.5	30.3	37.1	43.9	32.8	31.0	37.6	29.6
% FREQUENCY 7-8 OKTAS OR OBSCURED	20.9	18.8	22.2	18.7	21.6	22.2	10.2	8.2	17.8	24.4	24.7	23.3
NUMBER OF OBS	652	623	712	599	658	704	733	668	625	619	627	621
VISIBILITY (% FREQUENCY < 2 N. MI.)	.2	.2	.4	.0	.5	.4	.0	.1	.3	.3	.0	.5
NUMBER OF OBS	646	617	715	595	659	702	733	671	621	608	627	627
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	1.1	.2	.1	.0	.0	.1	.0	.0	.2	.2	.5	.5
5% ≤	3.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
MEDIAN	12.0	12.0	12.0	10.0	10.0	10.0	10.0	9.0	10.0	10.0	12.0	12.0
95% ≤	25.0	23.0	22.0	22.0	18.9	17.0	17.0	18.0	20.0	22.2	24.0	25.0
NUMBER OF OBS	657	633	724	602	663	702	738	671	627	617	629	631
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.6
MEDIAN	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9
95% ≤	11.5	9.8	8.2	8.2	6.6	6.6	6.6	6.6	9.8	8.2	9.8	8.2
% FREQUENCY ≥ 5 FT	51.8	47.1	46.9	42.6	38.1	26.1	30.4	24.9	39.5	43.8	50.3	51.6
% FREQUENCY ≥ 8 FT	14.6	11.1	10.5	7.5	3.3	2.2	2.8	3.4	10.5	10.6	13.5	10.6
% FREQUENCY ≥ 12 FT	5.7	3.9	2.3	1.9	.6	.4	.0	.4	2.7	1.7	3.6	1.8
NUMBER OF OBS	512	467	531	481	514	545	569	503	476	473	475	492

Table I-6.--Continued

AREA: 511 29-30°N 77-78°W

PERIOD OF RECORD: 1857 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1008.5	1007.8	1008.1	1008.0	1010.5	1010.6	1013.3	1011.9	1009.8	1008.8	1009.5	1010.1
MEDIAN	1020.7	1018.3	1018.3	1018.6	1017.6	1016.9	1019.0	1017.3	1016.4	1016.3	1018.0	1020.0
95% ≤	1028.1	1028.3	1026.8	1025.4	1023.7	1021.7	1023.4	1021.3	1020.7	1022.7	1025.1	1026.8
NUMBER OF OBS	1027	975	1009	912	999	1133	1172	1083	951	1013	987	1056
AIR TEMPERATURE (DEGREES F)												
5% ≤	57.0	57.9	60.1	64.9	70.2	74.3	78.1	78.1	76.8	70.0	64.0	59.0
25% ≤	64.0	64.0	66.0	69.8	73.9	77.0	80.1	81.0	79.3	75.0	70.0	64.9
MEDIAN	68.0	68.0	70.0	72.0	75.9	79.2	82.0	82.4	81.0	77.0	73.0	69.1
75% ≤	71.1	71.1	72.0	73.9	78.1	81.5	84.0	84.0	82.9	79.7	75.4	72.0
95% ≤	75.0	75.0	75.9	78.1	82.0	84.9	87.1	88.0	86.0	82.9	78.1	75.9
NUMBER OF OBS	1089	1011	1054	953	1026	1157	1207	1113	971	1054	1020	1095
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	69.8	68.0	68.0	70.0	73.0	75.9	80.1	80.1	80.1	75.9	73.9	71.1
MEDIAN	73.0	72.0	72.0	73.9	75.9	80.1	82.9	84.0	82.9	80.1	77.0	73.9
95% ≤	75.9	75.9	75.9	78.1	80.2	84.0	86.0	86.0	86.0	84.0	80.1	78.1
NUMBER OF OBS	1064	995	1022	925	1006	1132	1177	1091	945	1029	993	1079
MEAN RELATIVE HUMIDITY (%)	73	73	74	75	77	80	80	79	79	75	73	72
NUMBER OF OBS	831	786	822	748	810	929	964	914	790	852	795	868
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	3.2	4.4	3.1	2.3	2.0	4.5	4.3	4.5	4.1	3.8	3.5	2.6
% FREQUENCY OF THUNDER AND LIGHTNING	3.6	2.8	2.7	3.1	3.7	8.0	9.9	10.1	11.5	6.2	4.6	3.8
NUMBER OF OBS	1001	945	996	898	977	1121	1166	1078	927	993	979	1039
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	23.5	24.3	26.3	36.9	37.0	27.3	31.2	27.5	25.4	27.7	27.7	27.3
% FREQUENCY 7-8 OKTAS OR OBSCURED	36.3	33.8	31.0	23.5	21.4	29.3	22.6	23.0	29.4	26.6	25.9	32.6
NUMBER OF OBS	1074	1004	1044	945	1027	1150	1201	1111	965	1042	1024	1096
VISIBILITY (% FREQUENCY < 2 N. MI.)	.6	.6	.4	.1	.2	.5	.5	.5	.4	.2	.4	.2
NUMBER OF OBS	1045	972	1013	925	1004	1140	1191	1099	947	1013	1004	1072
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	2.2	3.1	2.1	1.0	.1	.2	.0	.4	.6	1.0	1.3	2.0
5% ≤	4.0	5.0	5.0	5.0	3.0	3.0	3.0	2.0	3.0	3.0	4.0	4.0
MEDIAN	15.0	15.0	15.0	13.5	11.0	10.0	10.0	10.0	10.0	12.0	14.0	14.0
95% ≤	30.0	30.0	30.0	25.0	20.0	21.0	20.0	20.0	21.0	25.0	27.0	28.0
NUMBER OF OBS	1094	1014	1050	953	1026	1153	1211	1114	975	1048	1021	1099
WAVE HEIGHT (FEET; HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEDIAN	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
95% ≤	9.8	11.5	9.8	8.2	8.2	6.6	6.6	6.6	8.2	8.2	9.8	9.8
% FREQUENCY ≥ 5 FT	51.8	53.8	52.6	44.2	31.5	29.6	26.7	26.7	35.6	42.8	49.2	47.2
% FREQUENCY ≥ 8 FT	14.1	17.0	13.6	8.4	5.7	3.5	2.2	4.6	6.5	9.2	13.8	14.3
% FREQUENCY ≥ 12 FT	3.8	5.5	3.2	2.4	.7	.1	.3	.7	1.3	3.1	3.4	3.5
NUMBER OF OBS	928	871	910	837	894	1027	1047	977	836	926	886	960

Table I-6.--Continued

AREA: 512 26-27°N 76-77°W

PERIOD OF RECORD: 1887 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1010.8	1011.8	1009.8	1011.0	1012.4	1012.0	1013.6	1011.1	1009.8	1007.6	1010.0	1012.8
MEDIAN	1020.3	1019.0	1018.9	1019.1	1017.9	1017.6	1019.0	1017.4	1015.2	1014.6	1017.2	1019.2
95% ≤	1025.4	1025.7	1025.7	1024.6	1022.4	1021.4	1022.4	1021.0	1019.3	1019.5	1023.6	1024.4
NUMBER OF OBS	401	410	398	433	484	453	467	449	412	365	386	375
AIR TEMPERATURE (DEGREES F)												
5% ≤	64.0	64.0	64.8	68.0	72.0	75.9	79.0	80.1	78.1	74.7	70.0	66.0
25% ≤	68.0	68.9	69.1	71.6	74.8	78.3	81.0	82.0	81.0	77.9	73.6	70.0
MEDIAN	71.8	71.6	72.0	73.8	77.0	80.1	82.0	82.9	82.0	79.9	75.9	73.0
75% ≤	73.9	73.4	74.3	75.2	78.1	81.3	83.8	84.2	83.8	81.1	78.1	75.0
95% ≤	76.8	75.9	77.0	80.1	82.0	84.0	87.4	88.0	87.1	84.0	81.0	78.1
NUMBER OF OBS	458	456	459	474	526	499	511	501	468	426	450	440
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	70.9	70.3	69.4	71.8	73.6	77.0	80.1	81.0	80.1	77.9	75.0	72.0
MEDIAN	75.0	73.9	73.9	75.2	77.4	80.6	82.9	84.0	84.0	82.0	79.0	76.1
95% ≤	78.1	78.1	78.1	79.0	82.0	84.0	86.0	87.8	86.0	84.9	82.4	80.1
NUMBER OF OBS	422	429	446	445	505	477	486	472	445	404	430	420
MEAN RELATIVE HUMIDITY (%)	76	76	77	77	79	82	78	79	79	78	75	74
NUMBER OF OBS	325	326	319	314	358	373	353	358	321	279	320	308
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	2.4	3.2	2.8	1.5	3.1	4.0	2.3	3.7	2.3	4.7	4.0	3.1
% FREQUENCY OF THUNDER AND LIGHTNING	3.2	1.6	2.8	1.8	3.5	6.0	9.1	7.2	11.9	8.7	5.4	2.8
NUMBER OF OBS	370	375	356	394	458	430	430	432	394	343	353	357
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	34.1	38.7	40.7	41.0	42.9	32.5	38.9	33.6	28.4	30.3	30.9	31.6
% FREQUENCY 7-8 OKTAS OR OBSCURED	21.4	18.4	19.5	12.8	17.9	20.5	10.9	12.2	20.1	23.5	19.0	23.0
NUMBER OF OBS	457	452	452	483	531	498	522	509	468	426	447	443
VISIBILITY (% FREQUENCY < 2 N. MI.)	.5	.0	.5	.4	.4	.2	.0	.4	.5	.3	.7	.7
NUMBER OF OBS	412	429	420	445	484	467	481	463	433	383	405	402
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	1.1	.2	1.1	.0	.2	.2	.2	.0	.6	.9	.0	.7
5% ≤	2.0	2.0	2.0	2.0	2.0	1.1	2.0	.0	.0	2.0	2.0	2.0
MEDIAN	12.0	12.0	12.0	10.0	10.0	9.0	9.0	9.0	9.0	10.0	12.0	12.0
95% ≤	25.0	24.0	24.0	20.7	20.0	18.0	18.0	18.0	24.0	25.0	24.0	23.0
NUMBER OF OBS	464	457	468	486	531	502	525	507	473	431	451	444
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEDIAN	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
95% ≤	8.2	9.8	8.2	8.2	6.6	4.9	4.9	6.6	9.8	9.8	9.8	8.2
% FREQUENCY ≥ 5 FT	43.2	42.8	40.6	34.6	22.0	17.3	16.6	23.8	33.9	40.1	43.2	41.8
% FREQUENCY ≥ 8 FT	6.8	11.4	9.6	6.5	3.1	1.6	2.0	3.2	9.9	11.6	11.2	6.8
% FREQUENCY ≥ 12 FT	2.1	2.4	2.7	1.6	.5	.8	.3	.9	4.0	4.1	3.1	1.4
NUMBER OF OBS	292	297	293	321	387	369	343	349	322	267	294	280

Table I-6.--Continued

AREA: 521 23-24°N 70-71°W

PERIOD OF RECORD: 1862 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1012.5	1012.0	1011.8	1012.6	1012.1	1013.2	1016.3	1012.5	1011.2	1008.6	1009.8	1012.5
MEDIAN	1018.6	1018.3	1018.6	1017.6	1017.0	1018.0	1019.1	1017.5	1015.2	1014.3	1015.4	1017.3
95% ≤	1022.5	1024.0	1022.7	1022.4	1021.0	1021.8	1022.5	1020.2	1019.2	1017.7	1019.6	1022.8
NUMBER OF OBS	181	182	241	201	208	219	219	192	218	196	198	174
AIR TEMPERATURE (DEGREES F)												
5% ≤	70.0	69.3	70.0	71.6	73.4	77.4	79.0	79.3	79.0	77.0	74.7	71.8
25% ≤	73.0	72.0	72.5	73.9	75.9	79.3	81.0	81.7	81.1	80.1	77.0	73.9
MEDIAN	74.8	75.0	75.0	75.4	77.9	80.1	82.0	82.6	82.4	81.1	78.4	75.9
75% ≤	75.9	76.1	77.0	77.0	79.0	82.0	82.9	84.0	84.0	82.4	80.6	77.4
95% ≤	79.0	79.2	80.2	81.1	82.0	84.9	84.9	87.8	88.0	85.5	84.0	80.4
NUMBER OF OBS	203	208	260	216	228	242	238	214	235	205	220	188
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	73.8	73.0	72.0	73.0	75.0	78.1	80.1	80.1	81.0	80.1	77.0	74.5
MEDIAN	77.0	75.9	75.9	77.0	78.8	81.0	82.4	82.9	84.0	82.9	80.8	79.0
95% ≤	80.6	80.1	80.1	80.6	82.4	84.0	84.9	86.0	86.7	86.0	84.0	82.0
NUMBER OF OBS	193	197	250	203	210	228	215	194	224	186	211	184
MEAN RELATIVE HUMIDITY (%)	77	78	77	77	81	82	81	79	79	80	77	76
NUMBER OF OBS	142	135	176	149	164	164	163	154	165	142	155	132
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	4.8	.6	1.4	3.8	1.5	3.3	2.0	2.7	3.4	2.7	4.2	3.8
% FREQUENCY OF THUNDER AND LIGHTNING	1.8	2.4	.9	1.6	3.5	5.1	5.4	8.6	6.8	11.7	6.8	5.1
NUMBER OF OBS	167	164	221	184	201	215	203	187	207	188	190	158
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	36.7	43.5	34.1	45.9	40.6	32.7	30.9	38.4	38.7	29.0	36.3	36.5
% FREQUENCY 7-8 OKTAS OR OBSCURED	23.6	13.5	11.8	12.4	17.9	16.7	10.2	9.6	12.3	19.8	14.4	19.0
NUMBER OF OBS	199	200	255	218	224	245	236	219	235	207	215	189
VISIBILITY (% FREQUENCY < 2 N. MI.)	1.6	1.0	.4	.0	.0	.4	.4	.5	1.3	.0	.5	.0
NUMBER OF OBS	185	195	247	206	213	233	232	209	226	197	210	180
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	1.8	.0
5% ≤	2.0	2.0	2.3	2.1	2.4	3.2	5.0	2.0	2.0	2.0	.0	5.0
MEDIAN	13.0	12.0	12.0	10.0	11.0	10.0	12.5	11.0	12.0	10.0	13.0	13.0
95% ≤	25.0	23.0	20.8	23.0	20.0	19.0	20.0	19.1	20.0	21.0	26.6	28.0
NUMBER OF OBS	204	209	265	221	227	244	241	218	242	207	224	190
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.0	1.0	1.6	.0	.0	1.6	1.6	1.6	1.6	.0	.0	1.6
MEDIAN	4.9	3.3	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9
95% ≤	10.3	9.8	9.8	9.3	6.6	6.6	8.2	8.2	8.2	8.2	9.8	11.5
% FREQUENCY ≥ 5 FT	59.0	48.4	57.8	45.6	41.9	34.1	41.2	44.3	41.2	44.5	48.7	60.2
% FREQUENCY ≥ 8 FT	14.9	12.1	13.5	12.9	4.4	4.6	5.9	9.3	9.7	7.5	15.4	16.1
% FREQUENCY ≥ 12 FT	5.2	2.4	3.8	1.4	1.3	1.2	.7	2.1	3.0	1.4	1.9	5.9
NUMBER OF OBS	134	124	185	147	160	173	153	140	165	146	156	118

Table I-6.--Continued

AREA: 522 23-24°N 74-75°W

PERIOD OF RECORD: 1869 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1012.5	1012.5	1011.5	1011.9	1011.5	1012.9	1014.7	1012.2	1010.5	1008.9	1010.6	1012.7
MEDIAN	1019.0	1018.0	1017.6	1017.3	1016.2	1016.9	1018.3	1016.6	1014.6	1013.9	1015.7	1017.6
95% ≤	1023.8	1023.7	1022.2	1021.7	1020.2	1020.4	1021.3	1020.0	1018.0	1018.0	1019.6	1022.0
NUMBER OF OBS	915	860	1049	960	999	857	892	964	916	927	845	775
AIR TEMPERATURE (DEGREES F)												
5% ≤	69.1	68.2	70.0	72.0	73.9	77.0	79.9	80.1	79.2	77.4	73.9	71.1
25% ≤	73.0	72.0	73.0	75.0	77.0	80.1	81.0	82.0	81.9	80.1	77.0	73.9
MEDIAN	75.0	74.5	75.0	75.9	78.1	81.0	82.0	82.9	82.9	81.3	78.8	75.9
75% ≤	76.6	76.1	77.0	78.1	80.1	82.0	82.9	84.0	84.0	82.9	80.6	78.1
95% ≤	80.1	80.1	80.6	82.0	82.9	86.0	86.0	87.1	87.1	86.0	84.0	81.0
NUMBER OF OBS	999	980	1152	1045	1101	968	984	1050	1055	1048	949	849
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	73.0	72.7	73.0	73.9	75.2	78.1	80.1	81.0	81.0	80.1	77.0	75.0
MEDIAN	77.0	76.1	77.0	78.1	79.0	82.0	82.9	84.0	84.0	82.9	81.0	78.6
95% ≤	80.1	80.1	80.1	81.0	82.9	84.9	86.0	86.0	87.1	86.0	84.0	82.0
NUMBER OF OBS	897	886	1032	962	1014	895	897	965	975	957	866	774
MEAN RELATIVE HUMIDITY (%)	77	76	77	77	80	82	80	79	79	79	76	76
NUMBER OF OBS	710	662	813	740	798	691	701	767	741	725	660	606
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	3.5	2.7	2.1	1.3	4.0	4.1	3.0	1.1	3.6	5.8	3.7	2.2
% FREQUENCY OF THUNDER AND LIGHTNING	2.8	2.5	1.4	2.4	3.6	6.9	4.1	7.4	9.6	11.3	7.2	5.0
NUMBER OF OBS	798	768	933	867	878	799	803	895	858	858	778	716
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	38.6	37.9	42.6	38.9	30.7	28.5	36.4	40.7	29.1	26.9	32.1	33.3
% FREQUENCY 7-8 OKTAS OR OBSCURED	14.7	13.3	10.9	15.1	18.5	22.6	8.5	8.6	15.6	21.7	17.0	15.1
NUMBER OF OBS	974	954	1110	1040	1084	955	956	1041	1051	1037	942	850
VISIBILITY (% FREQUENCY < 2 N. MI.)	.1	.2	.2	.2	.3	.3	.4	.4	.3	.4	.5	.0
NUMBER OF OBS	946	901	1089	985	1028	899	928	1004	963	966	879	802
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	.2	.1	.2	.2	.1	.0	.0	.0	.5	.7	.1	.4
5% ≤	4.0	3.0	4.0	2.6	2.0	3.0	5.0	3.0	2.0	2.0	4.0	3.6
MEDIAN	13.0	12.0	11.0	12.0	10.0	10.0	12.0	10.0	10.0	10.0	13.0	13.0
95% ≤	24.0	22.0	22.0	23.0	20.0	20.0	20.0	18.0	20.0	21.0	25.0	25.0
NUMBER OF OBS	1002	979	1156	1052	1112	969	987	1061	1060	1047	955	852
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0
MEDIAN	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
95% ≤	8.2	8.2	8.2	8.2	6.6	6.6	6.6	6.6	6.6	8.2	9.8	9.8
% FREQUENCY ≥ 5 FT	41.4	37.2	35.1	40.7	33.5	26.0	33.2	28.3	29.6	32.9	42.0	46.6
% FREQUENCY ≥ 8 FT	8.0	6.8	6.1	8.6	4.4	1.7	3.4	2.8	4.1	7.3	12.9	14.7
% FREQUENCY ≥ 12 FT	1.4	1.5	1.2	1.3	.6	.0	.0	.4	1.1	2.3	2.6	4.1
NUMBER OF OBS	572	530	656	626	636	577	564	676	641	620	583	517

Table I-6.--Continued

AREA: 523 22-23°N 77-78°W

PERIOD OF RECORD: 1864 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1012.9	1012.5	1012.5	1010.7	1011.5	1011.3	1014.3	1010.5	1010.8	1009.1	1011.2	1013.2
MEDIAN	1018.4	1017.6	1017.6	1016.6	1015.9	1015.9	1017.2	1015.9	1014.2	1013.9	1015.9	1017.3
95% ≤	1022.7	1022.0	1022.0	1021.0	1020.0	1018.6	1020.7	1018.6	1017.3	1016.8	1019.6	1022.0
NUMBER OF OBS	264	333	383	352	401	405	383	413	378	363	336	310
AIR TEMPERATURE (DEGREES F)												
5% ≤	68.5	67.6	70.0	73.9	75.4	78.1	80.1	80.2	79.3	78.1	73.9	70.0
25% ≤	73.4	73.0	73.9	75.9	78.1	80.6	82.0	82.4	82.0	80.1	77.0	73.9
MEDIAN	75.2	75.0	75.9	77.9	79.2	82.0	82.9	84.0	83.3	82.0	78.8	75.9
75% ≤	77.0	77.0	78.1	79.0	81.0	82.9	84.0	84.9	84.7	83.3	80.6	78.1
95% ≤	79.7	80.8	82.0	82.0	84.0	86.0	86.4	88.0	87.1	87.1	82.9	81.0
NUMBER OF OBS	304	348	397	358	403	428	404	432	410	381	361	332
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	74.8	73.9	74.5	75.4	77.0	79.3	80.8	82.0	81.9	80.6	77.4	75.9
MEDIAN	78.1	77.0	78.1	79.0	80.1	82.0	84.0	84.2	84.9	84.0	82.0	80.1
95% ≤	81.0	80.1	80.6	82.0	84.0	85.6	87.1	88.0	87.8	87.1	84.9	82.4
NUMBER OF OBS	297	341	380	346	385	410	386	393	391	370	353	325
MEAN RELATIVE HUMIDITY (%)	78	78	77	77	79	81	80	78	78	78	77	77
NUMBER OF OBS	229	261	316	289	327	347	329	356	322	298	268	265
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	1.5	1.3	1.4	2.3	3.9	4.1	2.1	1.6	2.9	4.8	2.8	1.0
% FREQUENCY OF THUNDER AND LIGHTNING	1.9	1.3	1.4	3.2	5.2	7.4	6.7	6.3	10.7	7.9	4.6	3.9
NUMBER OF OBS	269	310	354	349	383	390	375	378	375	356	326	306
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	41.4	40.2	41.0	35.6	27.0	19.2	31.4	29.7	25.5	26.5	31.9	30.3
% FREQUENCY 7-8 OKTAS OR OBSCURED	17.3	16.1	14.1	13.3	23.6	31.5	11.0	13.7	18.1	27.6	16.2	15.9
NUMBER OF OBS	307	353	398	362	407	422	401	438	408	381	357	333
VISIBILITY (% FREQUENCY < 2 N. MI.)	.0	.3	.3	.0	.0	.0	.3	.7	.8	.6	.3	.3
NUMBER OF OBS	284	335	387	354	395	414	389	418	384	359	340	326
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0	.5	.3
5% ≤	4.0	3.0	3.4	3.0	2.0	2.0	5.0	4.0	1.0	2.0	3.0	5.0
MEDIAN	12.0	12.0	12.0	12.0	10.0	10.0	13.0	11.0	10.0	10.0	12.0	14.0
95% ≤	24.7	23.0	20.0	21.0	20.0	20.0	20.0	19.0	21.0	20.0	25.0	24.0
NUMBER OF OBS	306	355	407	362	405	428	404	436	409	383	365	331
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEDIAN	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
95% ≤	6.6	6.6	6.6	6.6	6.6	6.6	6.6	4.9	6.6	6.6	8.2	6.6
% FREQUENCY ≥ 5 FT	33.6	31.9	27.6	27.7	23.4	21.3	29.3	19.3	19.7	20.8	32.3	38.5
% FREQUENCY ≥ 8 FT	3.0	2.9	2.9	3.9	1.8	2.3	2.4	.9	1.9	1.9	7.2	4.7
% FREQUENCY ≥ 12 FT	.0	.0	1.3	.3	.3	.6	.3	.0	.0	.3	.4	.0
NUMBER OF OBS	235	273	315	310	342	348	334	347	320	318	279	278

Table I-6.--Continued

AREA: 531 49-50°N 129-130°W

PERIOD OF RECORD: 1881 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	991.4	991.8	997.0	1000.4	1004.6	1008.4	1009.9	1009.8	1002.1	993.9	992.7	986.8
MEDIAN	1012.2	1014.4	1015.5	1015.6	1018.4	1018.1	1020.3	1018.4	1017.8	1014.7	1013.2	1012.7
95% ≤	1030.0	1031.1	1028.6	1027.8	1029.6	1027.1	1027.2	1025.1	1026.7	1027.0	1029.5	1025.7
NUMBER OF OBS	159	157	172	191	209	226	252	221	221	198	178	152
AIR TEMPERATURE (DEGREES F)												
5% ≤	33.8	37.9	38.3	42.1	44.1	48.9	53.1	55.4	54.5	48.0	44.1	38.3
25% ≤	42.1	42.8	42.8	44.8	46.9	51.8	55.4	57.9	57.0	53.1	48.0	44.6
MEDIAN	44.6	45.0	45.0	46.4	48.9	53.1	57.2	60.1	59.0	55.0	50.0	46.9
75% ≤	46.9	46.9	46.9	48.2	51.8	55.9	59.0	62.4	61.0	57.0	52.0	48.9
95% ≤	50.0	50.4	50.0	52.0	55.9	59.0	63.5	64.9	64.0	60.8	55.2	51.8
NUMBER OF OBS	166	164	186	205	243	245	271	239	233	211	193	166
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	43.0	42.8	41.9	43.0	45.0	48.2	52.0	54.0	54.0	50.0	46.9	44.1
MEDIAN	46.4	46.0	45.5	46.9	48.9	53.1	57.2	60.1	59.0	55.4	52.0	48.2
95% ≤	50.0	50.0	48.4	51.1	54.0	57.2	61.0	64.0	63.0	59.7	55.4	52.0
NUMBER OF OBS	154	148	176	192	217	218	255	208	215	196	187	150
MEAN RELATIVE HUMIDITY (%)	84	86	84	84	84	85	86	86	86	83	83	87
NUMBER OF OBS	102	104	109	116	124	139	161	138	138	135	119	100
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	28.7	22.6	22.8	17.5	14.9	12.0	15.4	8.6	9.6	19.3	22.6	26.5
% FREQUENCY OF THUNDER AND LIGHTNING	1.4	1.6	4.0	2.4	1.1	1.5	.9	3.0	1.5	1.2	.6	.0
NUMBER OF OBS	143	124	149	166	188	200	227	198	197	166	155	132
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	10.1	14.8	14.4	20.6	16.2	8.0	10.6	12.9	20.0	15.0	13.0	11.2
% FREQUENCY 7-8 OKTAS OR OBSCURED	59.1	54.8	45.0	44.6	48.3	63.0	61.0	60.9	50.2	49.5	51.6	63.8
NUMBER OF OBS	159	155	180	204	234	238	264	225	235	206	184	152
VISIBILITY (% FREQUENCY < 2 N. MI.)	9.6	3.7	6.0	8.1	4.6	5.8	11.1	7.7	7.7	8.1	6.8	8.0
NUMBER OF OBS	167	162	184	209	239	242	270	235	234	211	191	162
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	5.3	3.7	1.1	6.3	.4	.4	.4	.0	1.3	7.5	4.1	6.2
5% ≤	5.0	5.0	2.0	5.0	2.0	2.0	5.0	2.0	3.0	4.0	3.0	5.0
MEDIAN	18.0	16.0	14.0	13.0	12.0	11.0	12.0	11.0	13.0	16.0	16.0	18.0
95% ≤	32.7	32.4	29.7	35.0	25.0	24.8	25.0	22.3	28.0	37.0	31.3	35.0
NUMBER OF OBS	169	164	186	206	241	244	276	237	239	213	195	162
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	2.0	2.5	1.6	1.6	.0	1.6	1.3	1.0	1.6	1.6	1.3	1.6
MEDIAN	6.6	6.6	6.6	6.6	4.9	4.9	4.9	3.3	4.9	6.6	6.6	6.6
95% ≤	13.1	17.2	14.8	18.5	9.8	9.8	9.8	8.2	9.8	14.8	14.8	15.6
% FREQUENCY ≥ 5 FT	79.5	78.6	71.8	80.0	53.8	52.2	53.7	46.8	62.4	81.7	77.9	77.1
% FREQUENCY ≥ 8 FT	49.4	44.3	35.9	36.5	12.9	14.8	13.2	9.9	24.8	46.2	43.2	40.0
% FREQUENCY ≥ 12 FT	19.3	15.7	14.1	17.6	3.2	3.5	4.4	.9	3.4	19.2	22.1	25.7
NUMBER OF OBS	83	70	78	85	93	115	136	111	117	104	95	70

Table I-6.--Continued

AREA: 541 49-50°N 134-135°W

PERIOD OF RECORD: 1860 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	989.1	990.0	994.2	994.7	1001.8	1002.8	1008.0	1007.2	998.9	985.9	989.5	985.1
MEDIAN	1008.8	1011.5	1013.7	1014.6	1019.5	1018.8	1021.3	1019.3	1016.5	1011.3	1010.2	1011.2
95% ≤	1030.8	1029.2	1033.4	1029.6	1028.8	1029.9	1029.0	1027.9	1030.0	1027.2	1026.9	1031.2
NUMBER OF OBS	167	164	183	197	217	204	214	250	236	249	278	202
AIR TEMPERATURE (DEGREES F)												
5% ≤	36.0	37.9	37.9	39.7	43.0	46.9	51.8	55.0	54.0	47.5	42.1	39.4
25% ≤	41.0	42.1	41.0	42.8	45.3	50.0	53.6	57.2	55.9	52.0	46.0	44.6
MEDIAN	44.1	44.1	43.0	44.6	46.9	51.8	55.4	59.0	57.9	54.0	48.9	46.4
75% ≤	46.0	46.0	45.0	46.4	50.0	53.6	58.1	61.0	59.0	55.9	51.8	48.2
95% ≤	48.6	48.2	46.8	49.1	53.1	56.3	62.6	64.9	62.4	59.0	55.0	51.8
NUMBER OF OBS	171	167	189	206	224	215	226	259	243	257	283	203
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	41.9	41.0	41.0	41.0	43.2	46.9	51.1	54.0	53.6	50.0	46.0	43.5
MEDIAN	45.0	44.4	44.1	44.6	46.4	51.1	55.0	59.0	57.9	55.4	51.1	48.0
95% ≤	48.2	48.0	48.0	48.2	51.8	55.0	60.1	64.0	62.4	60.1	55.9	52.0
NUMBER OF OBS	158	149	171	188	200	186	204	248	226	222	272	189
MEAN RELATIVE HUMIDITY (%)	83	85	83	82	86	87	88	87	86	83	82	85
NUMBER OF OBS	107	98	116	128	147	136	141	182	160	164	173	127
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	19.6	22.1	17.8	15.7	10.8	21.1	13.4	11.5	11.2	23.8	16.2	21.6
% FREQUENCY OF THUNDER AND LIGHTNING	1.3	2.1	3.8	1.1	2.5	1.7	.5	2.6	.9	5.1	2.6	2.3
NUMBER OF OBS	153	145	157	178	203	180	202	235	214	235	265	176
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	8.3	7.3	9.3	12.1	10.1	5.0	4.6	4.0	12.2	7.1	6.9	6.2
% FREQUENCY 7-8 OKTAS OR OBSCURED	65.1	62.2	60.1	57.8	63.8	77.7	79.7	69.1	60.5	57.5	52.7	64.8
NUMBER OF OBS	169	164	183	199	218	202	217	249	238	252	277	193
VISIBILITY (% FREQUENCY < 2 N. MI.)	11.1	10.8	12.4	9.3	8.7	16.1	13.2	8.2	10.7	9.1	7.4	5.1
NUMBER OF OBS	171	167	185	205	219	211	219	255	242	252	282	195
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	9.6	5.9	7.0	4.4	1.3	.9	.5	.4	1.2	8.9	10.6	3.9
5% ≤	5.0	5.0	5.0	4.0	3.0	2.7	2.1	3.0	4.0	5.0	6.0	5.0
MEDIAN	18.0	16.0	18.0	15.0	12.0	10.0	10.0	13.0	15.0	18.0	18.5	18.0
95% ≤	35.2	34.0	35.0	30.7	25.0	24.0	24.0	24.1	28.8	36.1	37.9	32.0
NUMBER OF OBS	178	169	187	206	224	214	222	259	242	258	283	204
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	3.1	3.3	1.6	.5	1.6	.0	1.6	1.6	1.6	2.8	1.6	.0
MEDIAN	6.6	6.6	6.6	4.9	4.9	4.9	3.3	4.9	4.9	6.6	8.2	8.2
95% ≤	16.4	15.6	14.8	12.6	11.3	13.1	8.2	9.8	14.8	16.4	19.7	16.4
% FREQUENCY ≥ 5 FT	81.6	82.4	82.9	72.6	58.7	56.5	40.0	57.6	68.6	82.2	82.8	87.8
% FREQUENCY ≥ 8 FT	49.0	45.1	46.7	37.7	20.3	21.0	8.8	14.6	32.1	50.0	57.1	51.8
% FREQUENCY ≥ 12 FT	29.6	24.2	22.9	16.0	5.6	8.1	3.2	3.2	9.3	21.8	26.1	24.5
NUMBER OF OBS	98	91	105	106	143	124	125	158	140	174	203	139

Table I-6.--Continued

AREA: 542 48-49°N 132-133°W

PERIOD OF RECORD: 1870 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	989.4	991.4	993.8	998.0	1003.0	1008.0	1010.1	1008.7	1002.4	987.6	993.5	991.1
MEDIAN	1009.2	1012.8	1015.8	1016.3	1020.3	1019.6	1022.5	1018.6	1017.3	1011.9	1010.3	1013.3
95% ≤	1031.6	1029.0	1030.8	1030.0	1029.2	1028.4	1028.8	1027.2	1027.9	1027.2	1028.2	1033.7
NUMBER OF OBS	115	115	132	140	154	160	125	150	148	132	131	126
AIR TEMPERATURE (DEGREES F)												
5% ≤	37.8	39.2	37.4	39.9	44.1	48.0	52.0	56.7	54.0	48.2	42.4	41.0
25% ≤	41.0	43.0	42.1	43.0	46.4	50.0	54.9	57.9	57.0	52.0	46.9	45.0
MEDIAN	44.8	44.6	44.1	45.0	48.2	52.7	57.0	60.1	59.0	55.0	50.0	48.2
75% ≤	47.8	46.9	46.4	48.0	50.0	55.4	59.0	62.1	61.0	57.2	53.1	50.0
95% ≤	50.0	50.0	50.5	50.0	55.0	59.0	64.2	66.0	64.9	60.8	57.2	53.1
NUMBER OF OBS	117	117	137	141	160	164	133	156	156	137	131	127
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	43.0	41.0	41.0	41.4	43.7	47.3	51.8	55.4	55.4	51.3	46.8	45.3
MEDIAN	46.4	45.0	45.0	45.0	48.2	52.0	56.7	60.1	59.0	55.4	52.0	48.9
95% ≤	50.0	48.2	50.0	50.0	53.4	57.2	60.8	65.8	64.0	60.8	55.9	54.5
NUMBER OF OBS	108	105	125	127	143	142	118	144	143	124	115	112
MEAN RELATIVE HUMIDITY (%)	83	84	80	84	85	85	86	88	84	83	84	84
NUMBER OF OBS	76	66	90	90	100	93	86	108	109	91	86	84
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	19.2	14.9	10.1	17.6	11.3	7.2	11.1	13.9	12.0	16.7	16.1	21.6
% FREQUENCY OF THUNDER AND LIGHTNING	3.8	2.0	2.3	.0	1.4	2.6	5.1	2.8	4.5	3.2	2.4	1.7
NUMBER OF OBS	104	101	129	136	142	152	117	144	133	126	124	116
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	7.8	4.4	12.5	12.7	9.0	4.4	6.2	6.6	11.1	10.6	8.6	10.4
% FREQUENCY 7-8 OKTAS OR OBSCURED	63.5	65.8	53.9	59.0	70.3	73.1	79.8	70.4	57.5	54.5	55.5	65.6
NUMBER OF OBS	115	114	128	134	155	160	129	152	153	132	128	125
VISIBILITY (% FREQUENCY < 2 N. MI.)	13.5	15.4	11.1	7.0	9.7	13.8	10.2	11.8	8.6	10.7	8.3	13.6
NUMBER OF OBS	111	117	135	142	154	160	128	153	151	131	133	125
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	8.3	2.5	4.4	2.8	.0	.0	.0	.0	.6	7.4	7.5	6.2
5% ≤	6.0	5.1	4.8	3.2	2.0	2.0	3.0	3.8	5.0	5.0	5.0	5.0
MEDIAN	19.0	18.0	16.0	14.5	10.0	12.0	10.0	12.0	15.0	17.0	18.0	18.5
95% ≤	37.0	33.0	33.0	29.0	24.0	24.0	20.4	23.0	30.0	35.0	35.4	35.0
NUMBER OF OBS	120	121	136	143	160	163	133	156	156	136	133	129
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	3.3	3.3	.8	.0	1.6	1.6	.0	1.6	1.6	1.6	1.6	3.3
MEDIAN	7.4	6.6	6.6	4.9	4.9	4.9	3.3	4.9	4.9	6.6	8.2	8.2
95% ≤	19.8	18.4	14.8	11.5	9.8	10.5	9.8	11.5	11.5	14.8	17.9	21.3
% FREQUENCY ≥ 5 FT	89.9	82.9	75.3	69.0	56.0	54.9	50.0	58.9	71.6	78.1	85.1	88.0
% FREQUENCY ≥ 8 FT	50.6	48.7	39.3	34.0	13.8	15.0	10.0	12.5	25.7	43.8	53.5	52.2
% FREQUENCY ≥ 12 FT	29.1	22.4	23.6	10.0	1.8	5.3	3.3	6.3	9.2	18.8	22.8	29.3
NUMBER OF OBS	79	76	89	100	109	113	90	112	109	96	101	92

Table I-6.--Continued

AREA: 551 47-48°N 127-128°W

PERIOD OF RECORD: 1857 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	994.0	993.8	997.8	1006.1	1005.8	1009.8	1013.5	1009.2	1003.5	1002.5	994.9	991.8
MEDIAN	1012.4	1016.2	1014.0	1017.4	1018.9	1018.6	1021.0	1018.6	1018.0	1016.3	1018.0	1013.4
95% ≤	1031.0	1035.7	1028.7	1027.5	1028.0	1025.7	1026.3	1024.4	1025.9	1027.8	1031.9	1028.1
NUMBER OF OBS	149	163	194	157	153	153	128	141	186	164	158	141
AIR TEMPERATURE (DEGREES F)												
5% ≤	39.0	39.9	40.3	43.0	45.5	49.1	54.0	57.0	55.0	51.1	45.0	42.4
25% ≤	45.0	44.1	44.1	46.0	48.9	52.7	57.0	59.0	57.9	55.0	50.0	46.0
MEDIAN	46.9	46.0	46.0	48.0	51.1	55.0	57.9	61.0	60.1	57.0	52.0	48.9
75% ≤	48.9	48.0	48.0	50.0	53.6	57.9	60.1	62.6	61.5	59.0	54.0	51.1
95% ≤	52.0	50.0	51.1	54.0	58.8	61.5	64.4	66.9	64.4	61.0	57.2	53.6
NUMBER OF OBS	174	192	227	175	170	184	146	157	212	185	172	147
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	44.1	43.7	44.1	44.6	46.4	49.5	54.9	55.9	55.4	52.0	50.0	46.0
MEDIAN	48.2	46.9	46.9	48.0	51.1	55.0	59.0	61.0	61.0	57.0	54.0	50.0
95% ≤	52.0	51.1	51.1	52.0	57.0	60.1	62.6	66.2	66.0	62.6	57.2	54.9
NUMBER OF OBS	159	160	198	159	155	165	136	149	199	179	151	142
MEAN RELATIVE HUMIDITY (%)	84	83	82	82	82	84	85	83	83	83	84	83
NUMBER OF OBS	101	99	120	110	106	111	95	105	128	108	124	92
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	25.9	21.7	19.8	11.0	10.3	6.3	7.8	3.6	13.7	17.8	23.2	22.9
% FREQUENCY OF THUNDER AND LIGHTNING	.7	1.2	2.1	1.3	.7	1.9	.8	2.9	.0	1.3	2.9	3.1
NUMBER OF OBS	143	166	192	155	146	160	128	139	182	157	138	131
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	12.9	17.0	17.0	13.5	12.9	12.1	15.5	16.7	31.9	20.4	15.1	11.1
% FREQUENCY 7-8 OKTAS OR OBSCURED	57.1	54.8	49.6	49.1	57.6	53.8	63.4	47.3	34.3	41.4	52.0	50.7
NUMBER OF OBS	163	188	224	171	170	182	142	150	213	181	152	144
VISIBILITY (% FREQUENCY < 2 N. MI.)	8.5	11.5	8.5	11.0	5.4	4.6	9.2	1.9	4.4	10.7	4.5	6.2
NUMBER OF OBS	164	183	213	164	168	173	142	156	203	168	157	145
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	10.4	4.7	6.1	2.8	.0	3.9	.0	.0	.0	4.8	7.0	10.0
5% ≤	5.0	5.0	2.0	1.8	2.0	3.0	2.0	2.0	.7	4.0	4.0	6.0
MEDIAN	18.0	15.0	14.0	13.0	10.0	12.0	12.0	10.0	13.0	13.0	16.0	18.0
95% ≤	37.0	32.4	37.0	28.4	24.3	29.9	24.0	29.2	25.0	30.7	35.0	40.0
NUMBER OF OBS	173	192	231	176	175	181	148	157	214	187	171	150
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	.2	1.6	1.6	1.6	1.6	1.6	.0	.0	1.6	2.5	3.3
MEDIAN	6.6	6.6	6.6	4.9	4.9	4.9	3.3	4.9	4.9	6.6	6.6	6.6
95% ≤	14.8	16.4	13.1	16.7	9.8	9.8	9.8	11.5	12.0	13.1	14.8	20.3
% FREQUENCY ≥ 5 FT	77.0	76.5	77.4	67.0	61.3	58.0	48.3	61.1	61.4	75.0	77.5	83.3
% FREQUENCY ≥ 8 FT	43.2	38.3	38.7	23.7	16.3	21.0	9.2	15.8	22.8	38.1	40.4	43.1
% FREQUENCY ≥ 12 FT	18.9	18.5	11.8	13.4	2.5	4.0	1.1	7.4	7.9	14.3	16.9	27.8
NUMBER OF OBS	74	81	93	97	80	100	87	95	114	84	89	72

Table I-6.--Continued

AREA: 561 46-47°N 131-132°W

PERIOD OF RECORD: 1857 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	988.4	986.4	992.6	989.7	1001.5	1011.0	1011.2	1011.0	1001.3	1003.4	999.9	994.4
MEDIAN	1006.1	1008.0	1014.6	1019.3	1019.1	1020.3	1023.3	1020.1	1017.0	1016.6	1015.6	1014.3
95% ≤	1029.8	1031.2	1028.3	1028.4	1027.4	1027.0	1028.7	1026.9	1026.1	1028.9	1030.0	1026.6
NUMBER OF OBS	179	142	192	230	257	214	225	203	216	158	187	191
AIR TEMPERATURE (DEGREES F)												
5% ≤	40.8	41.4	41.0	44.1	46.9	51.1	55.0	57.2	57.9	53.1	48.2	42.6
25% ≤	45.9	45.0	45.0	46.9	50.0	54.0	57.0	60.1	61.0	55.9	52.0	48.0
MEDIAN	48.2	48.0	46.0	48.0	52.0	55.9	60.1	63.0	62.1	57.9	55.0	50.0
75% ≤	50.2	50.0	48.0	50.0	54.0	60.1	62.1	64.9	64.0	60.1	57.0	52.0
95% ≤	53.1	53.1	50.0	54.5	57.7	63.0	66.6	68.0	66.9	62.4	60.1	55.0
NUMBER OF OBS	178	147	189	236	266	215	228	204	219	162	190	196
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	46.0	42.1	44.1	44.1	46.0	50.0	54.0	57.9	59.0	54.5	50.2	48.0
MEDIAN	48.9	46.9	46.0	46.0	51.1	55.0	57.9	64.0	62.1	60.1	55.9	50.0
95% ≤	52.0	52.0	52.0	50.0	55.0	61.0	64.9	66.0	64.9	64.0	60.1	57.0
NUMBER OF OBS	177	137	186	228	259	207	220	201	210	149	183	189
MEAN RELATIVE HUMIDITY (%)	85	87	87	84	85	86	87	82	85	81	83	86
NUMBER OF OBS	107	95	108	134	159	131	132	121	130	104	113	115
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	16.4	13.1	17.1	10.0	8.0	11.8	12.1	7.4	11.8	13.5	19.4	18.0
% FREQUENCY OF THUNDER AND LIGHTNING	3.5	3.6	2.6	1.3	4.2	3.3	1.8	6.4	1.4	5.1	2.2	4.4
NUMBER OF OBS	171	137	193	229	261	212	224	203	211	156	180	183
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	15.0	11.8	14.4	14.9	13.3	11.1	6.1	9.1	21.8	15.0	13.9	11.9
% FREQUENCY 7-8 OKTAS OR OBSCURED	55.6	56.3	57.4	55.7	66.2	69.4	76.0	61.7	52.3	48.8	59.9	61.9
NUMBER OF OBS	180	144	195	235	263	216	229	209	216	160	187	194
VISIBILITY (% FREQUENCY < 2 N. MI.)	3.4	9.7	6.2	8.2	5.3	5.6	8.8	1.5	.9	6.2	5.4	14.3
NUMBER OF OBS	178	144	195	232	263	215	227	205	216	162	186	189
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	5.4	3.4	3.1	.4	.7	.0	.0	.0	1.3	3.1	2.6	8.6
5% ≤	7.3	3.5	4.8	4.0	4.0	2.0	5.0	4.0	5.0	4.0	6.0	5.9
MEDIAN	18.0	15.0	15.0	12.0	11.0	11.0	12.0	11.0	14.0	15.0	17.0	20.0
95% ≤	33.8	30.0	30.5	26.2	25.0	21.0	22.0	21.0	27.0	30.0	30.5	35.3
NUMBER OF OBS	185	149	195	237	268	217	230	209	223	162	190	197
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	3.3	.0	1.6	.0	.0	1.6	1.6	.0	3.3	1.6	3.3
MEDIAN	4.9	6.6	4.9	4.9	3.3	3.3	3.3	3.3	3.3	6.6	4.9	6.6
95% ≤	11.5	13.1	14.8	13.1	6.6	8.2	8.2	7.4	9.8	14.8	11.5	14.8
% FREQUENCY ≥ 5 FT	55.3	77.9	60.0	53.5	35.1	42.8	40.7	26.3	36.6	75.4	52.8	74.7
% FREQUENCY ≥ 8 FT	28.0	26.2	27.8	19.2	4.0	12.5	10.0	5.3	14.9	38.7	22.0	42.9
% FREQUENCY ≥ 12 FT	8.1	9.8	11.7	8.5	2.8	3.4	1.9	1.1	3.1	22.5	5.7	18.8
NUMBER OF OBS	161	122	180	213	251	208	209	190	194	142	159	170

Table I-6.--Continued

AREA: 571 44-45°N 127-128°W

PERIOD OF RECORD: 1857 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1000.3	1000.0	996.2	1006.3	1009.3	1009.6	1012.9	1007.0	1008.2	1000.1	1003.1	996.9
MEDIAN	1015.9	1017.9	1017.5	1018.3	1019.3	1019.8	1021.3	1019.6	1018.2	1020.2	1018.7	1017.7
95% ≤	1030.7	1030.8	1030.8	1030.3	1026.4	1025.8	1026.1	1023.5	1022.6	1030.1	1030.5	1028.9
NUMBER OF OBS	98	92	87	70	146	85	68	90	84	88	105	68
AIR TEMPERATURE (DEGREES F)												
5% ≤	40.8	39.9	42.8	44.1	48.0	51.8	55.8	59.0	59.0	53.2	49.6	45.0
25% ≤	46.0	46.0	45.0	47.3	50.0	54.0	59.0	61.0	60.4	56.3	53.1	48.9
MEDIAN	49.1	48.0	48.0	48.9	52.0	55.9	60.1	62.4	62.1	57.9	55.0	51.1
75% ≤	51.8	50.7	50.0	50.9	54.0	57.9	62.1	64.9	64.0	60.1	57.0	54.0
95% ≤	55.0	54.0	52.0	55.0	56.8	62.6	64.0	69.3	66.9	63.0	60.1	55.9
NUMBER OF OBS	116	109	101	76	166	88	74	95	95	126	131	96
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	46.0	45.9	46.0	47.5	50.0	52.9	57.2	60.6	59.9	55.8	52.0	48.9
MEDIAN	50.0	49.8	48.9	49.5	51.1	57.2	61.7	64.2	63.0	60.1	55.4	52.0
95% ≤	54.0	53.1	52.0	54.0	55.9	61.0	64.0	67.6	66.2	64.0	59.5	55.9
NUMBER OF OBS	109	101	95	73	156	81	68	91	93	120	120	93
MEAN RELATIVE HUMIDITY (%)	84	82	80	82	81	83	82	80	81	80	83	82
NUMBER OF OBS	77	72	71	59	111	63	56	79	70	71	87	50
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	13.7	15.5	15.6	9.5	9.6	11.3	7.6	5.7	5.9	8.8	27.3	15.7
% FREQUENCY OF THUNDER AND LIGHTNING	4.2	2.1	5.6	2.7	.6	1.3	3.0	3.4	3.5	2.0	.9	3.6
NUMBER OF OBS	95	97	90	74	156	80	66	88	85	102	110	83
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	7.9	12.1	13.3	6.3	16.6	8.9	6.6	13.5	26.7	20.5	13.4	13.3
% FREQUENCY 7-8 OKTAS OR OBSCURED	55.3	65.4	59.2	54.4	56.4	62.2	65.8	57.3	45.6	41.0	47.9	51.1
NUMBER OF OBS	114	107	98	79	163	90	76	96	90	122	119	90
VISIBILITY (% FREQUENCY < 2 N. MI.)	4.9	11.0	3.4	4.1	3.1	2.5	4.3	1.1	2.2	18.3	16.5	14.5
NUMBER OF OBS	103	100	89	73	160	81	70	89	91	104	121	83
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	8.5	1.9	5.9	1.3	.6	.0	1.3	.0	.0	3.1	3.8	10.2
5% ≤	3.9	4.4	4.1	1.8	3.0	2.0	4.8	2.0	.8	.0	4.6	3.8
MEDIAN	15.0	16.0	16.0	10.0	10.0	11.5	13.0	11.0	13.0	12.0	15.0	18.0
95% ≤	35.0	30.0	34.8	25.2	24.0	24.0	22.4	22.0	25.0	27.6	30.8	37.0
NUMBER OF OBS	117	108	102	78	167	89	76	95	96	128	132	98
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	1.3	1.6	1.6	1.6	1.6	.0	3.3	1.6	2.1
MEDIAN	6.6	6.6	6.6	4.9	4.9	4.9	4.9	4.9	4.9	8.2	4.9	8.2
95% ≤	18.0	18.7	15.9	14.8	12.6	9.8	8.2	8.5	11.5	14.8	11.6	18.7
% FREQUENCY ≥ 5 FT	85.7	75.3	79.1	52.7	59.8	59.0	58.2	51.3	58.5	88.4	71.2	84.8
% FREQUENCY ≥ 8 FT	46.8	34.2	31.3	20.0	22.8	9.8	7.3	18.4	21.5	53.6	37.3	54.3
% FREQUENCY ≥ 12 FT	20.8	21.9	16.4	12.7	9.4	4.9	.0	1.3	7.7	26.1	15.3	21.7
NUMBER OF OBS	77	73	67	55	127	61	55	76	65	69	59	46

Table I-6.--Continued

AREA: 572 43-44°N 130-131°W

PERIOD OF RECORD: 1874 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	999.1	998.2	1001.3	1005.9	1003.4	1010.8	1012.3	1015.0	1008.6	999.6	1000.9	998.6
MEDIAN	1014.4	1019.7	1016.5	1021.7	1019.2	1021.0	1023.9	1021.8	1022.6	1019.0	1018.3	1018.8
95% ≤	1029.5	1030.9	1029.1	1031.6	1028.4	1028.1	1029.4	1027.2	1030.1	1029.7	1029.2	1033.0
NUMBER OF OBS	254	116	204	218	226	212	220	251	134	112	96	201
AIR TEMPERATURE (DEGREES F)												
5% ≤	42.1	44.8	44.4	45.0	48.0	52.0	55.9	60.3	59.0	53.4	48.9	46.4
25% ≤	50.0	48.0	46.9	48.0	50.0	54.0	59.0	63.0	62.1	58.1	54.0	52.0
MEDIAN	52.0	51.1	48.9	50.0	52.0	55.9	60.1	64.0	63.0	60.8	55.9	53.1
75% ≤	54.0	53.1	51.1	52.0	54.0	57.9	62.1	66.0	64.9	62.6	59.0	55.0
95% ≤	57.9	55.0	54.0	57.0	55.9	60.8	64.9	69.1	68.0	65.5	62.1	57.9
NUMBER OF OBS	259	128	210	220	233	218	231	255	139	114	99	209
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	48.9	47.8	46.9	47.1	50.0	54.0	57.4	62.1	62.1	57.7	54.0	51.8
MEDIAN	55.0	52.0	51.1	51.1	53.1	57.2	62.1	63.0	64.9	62.1	57.9	55.9
95% ≤	57.0	55.0	54.0	55.0	55.9	60.1	63.0	68.5	66.9	65.3	63.0	57.9
NUMBER OF OBS	257	117	199	213	233	216	229	255	138	113	96	207
MEAN RELATIVE HUMIDITY (%)	85	85	83	81	81	84	84	82	80	79	79	82
NUMBER OF OBS	169	89	136	143	132	130	142	148	83	87	79	125
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	15.0	16.2	18.6	9.3	13.0	5.6	10.8	3.6	3.8	5.5	12.1	21.1
% FREQUENCY OF THUNDER AND LIGHTNING	1.3	2.6	2.9	1.9	1.7	.5	1.8	1.6	.8	1.8	2.2	.5
NUMBER OF OBS	234	117	204	216	231	214	223	250	133	109	91	204
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	12.2	10.6	13.0	8.4	7.8	22.2	7.4	6.3	21.2	15.2	11.8	12.6
% FREQUENCY 7-8 OKTAS OR OBSCURED	65.7	65.0	59.1	64.7	63.0	60.2	69.4	63.4	41.6	48.2	53.8	54.1
NUMBER OF OBS	245	123	208	215	230	221	229	254	137	112	93	207
VISIBILITY (% FREQUENCY < 2 N. MI.)	2.0	6.7	4.8	6.0	1.7	6.4	4.5	.8	2.2	1.8	4.1	2.9
NUMBER OF OBS	254	119	207	216	231	218	224	251	136	111	98	206
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	10.4	7.0	7.1	1.8	.9	.9	.4	.0	.0	2.6	3.0	5.2
5% ≤	7.0	6.0	4.6	5.0	3.0	.0	2.0	.0	3.1	3.0	6.0	5.0
MEDIAN	20.0	18.0	17.0	15.0	13.0	11.0	13.0	12.5	14.0	15.0	18.0	15.0
95% ≤	37.0	34.0	35.0	28.0	25.0	22.0	27.0	21.0	25.0	31.2	30.0	33.9
NUMBER OF OBS	259	128	211	220	232	222	231	257	141	116	100	211
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	3.3	1.6	1.6	1.6	1.6	1.6	1.5	.0	1.6	2.6	1.6
MEDIAN	4.9	4.9	6.6	4.9	4.9	3.3	3.3	4.9	4.9	6.6	6.6	6.6
95% ≤	18.5	13.1	19.0	16.4	10.5	11.5	9.8	8.2	14.8	13.1	17.2	14.8
% FREQUENCY ≥ 5 FT	63.9	70.8	76.1	64.7	53.1	46.6	48.1	62.2	57.8	80.9	85.9	64.6
% FREQUENCY ≥ 8 FT	36.1	26.0	48.4	27.9	16.4	18.8	11.4	6.3	36.2	40.4	46.5	36.5
% FREQUENCY ≥ 12 FT	19.8	8.3	23.4	14.9	5.2	5.8	1.9	.8	12.1	12.8	18.3	19.9
NUMBER OF OBS	227	96	188	201	213	191	210	238	116	94	71	181

Table I-6.--Continued

AREA: 581 42-43°N 133-134°W

PERIOD OF RECORD: 1857 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	992.9	998.2	1003.7	1002.2	1006.6	1010.2	1014.3	1013.2	1006.6	998.1	1000.4	996.3
MEDIAN	1012.5	1017.6	1018.5	1021.2	1020.7	1022.4	1024.0	1022.8	1020.0	1018.1	1017.7	1018.0
95% ≤	1031.7	1033.7	1033.9	1031.2	1031.0	1031.6	1029.8	1028.8	1028.9	1028.0	1029.1	1029.9
NUMBER OF OBS	102	92	138	164	188	195	204	202	166	151	123	128
AIR TEMPERATURE (DEGREES F)												
5% ≤	43.7	45.0	44.6	45.0	47.3	52.0	55.0	59.0	59.0	55.2	50.0	48.0
25% ≤	48.0	48.0	47.5	48.2	51.1	54.9	57.9	62.1	61.0	60.1	54.0	50.9
MEDIAN	52.0	50.5	50.0	51.6	53.4	57.0	60.1	64.0	63.0	62.1	57.0	55.0
75% ≤	54.0	52.0	51.8	53.6	55.4	59.0	62.6	66.0	66.0	64.0	60.1	57.2
95% ≤	55.0	55.4	54.0	57.2	58.8	63.0	66.9	69.8	69.1	66.9	62.8	61.0
NUMBER OF OBS	113	105	142	176	206	213	219	222	183	172	131	140
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	50.0	48.0	48.2	48.0	48.4	51.8	55.9	60.1	60.1	59.0	53.2	51.8
MEDIAN	53.1	51.1	51.1	51.8	53.8	57.0	60.8	64.0	64.0	62.8	59.0	55.9
95% ≤	56.7	55.4	54.3	55.4	57.2	62.6	66.0	69.1	68.0	66.6	64.0	61.0
NUMBER OF OBS	106	96	132	162	187	199	199	199	168	149	126	133
MEAN RELATIVE HUMIDITY (%)	86	81	81	81	83	84	85	82	82	81	82	84
NUMBER OF OBS	73	52	70	112	113	112	137	124	110	101	76	73
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	14.6	14.6	8.1	8.3	10.3	5.6	3.8	8.6	5.3	9.6	16.4	12.0
% FREQUENCY OF THUNDER AND LIGHTNING	2.2	2.4	5.7	1.4	2.4	3.1	2.7	1.6	2.0	.6	.0	3.4
NUMBER OF OBS	89	82	123	145	165	161	184	187	152	156	116	117
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	10.7	9.6	7.7	11.1	11.7	9.2	9.5	13.4	19.2	12.8	8.3	11.8
% FREQUENCY 7-8 OKTAS OR OBSCURED	59.2	55.8	45.8	57.3	65.5	72.0	70.1	55.6	50.5	53.0	56.4	45.6
NUMBER OF OBS	103	104	142	171	206	207	211	216	182	164	133	136
VISIBILITY (% FREQUENCY < 2 N. MI.)	10.2	6.0	2.8	8.2	3.1	12.1	5.2	1.8	2.3	1.2	3.1	8.1
NUMBER OF OBS	108	100	143	170	195	199	210	219	176	167	127	136
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	6.1	7.5	2.7	2.8	.5	.0	.0	.0	.0	3.5	9.1	8.6
5% ≤	7.0	6.0	5.0	3.0	2.4	2.0	2.0	2.0	3.0	4.6	6.0	7.0
MEDIAN	18.0	18.0	15.0	13.0	13.0	10.0	10.0	10.0	12.0	16.0	17.0	18.0
95% ≤	35.0	35.0	30.0	30.0	25.0	22.5	22.0	18.0	24.0	30.0	36.4	36.0
NUMBER OF OBS	115	107	146	178	208	210	216	224	183	172	132	140
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	3.3	1.6	1.6	.3	.0	.0	.5	1.6	.0	1.6	3.3
MEDIAN	8.2	4.9	6.6	4.9	4.9	3.3	3.3	3.3	4.9	4.9	8.2	6.6
95% ≤	14.8	13.1	11.2	13.1	8.2	8.2	8.2	7.7	9.8	13.0	14.8	13.0
% FREQUENCY ≥ 5 FT	78.3	83.9	75.3	64.1	63.1	44.0	46.3	46.0	60.2	65.0	76.1	69.9
% FREQUENCY ≥ 8 FT	51.7	39.3	29.4	34.0	18.4	11.0	9.9	5.6	13.6	28.2	53.4	34.9
% FREQUENCY ≥ 12 FT	15.0	14.3	5.9	14.6	4.9	3.0	.8	.8	3.4	12.6	12.5	10.8
NUMBER OF OBS	60	56	85	103	103	100	121	126	88	103	88	83

Table I-6.--Continued

AREA: 591 40-41°N 127-128°W

PERIOD OF RECORD: 1857 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC.
SEA LEVEL PRESSURE (MB)												
5% ≤	999.2	996.1	1000.0	1008.5	1011.0	1012.4	1015.6	1014.0	1010.8	1005.6	1003.5	1001.8
MEDIAN	1016.6	1017.6	1020.3	1022.0	1020.3	1018.4	1020.0	1019.5	1017.3	1018.3	1019.2	1020.0
95% ≤	1031.0	1030.4	1028.4	1029.7	1025.5	1024.9	1024.0	1023.6	1022.8	1025.9	1028.8	1032.0
NUMBER OF OBS	82	62	79	130	136	119	159	234	96	116	75	71
AIR TEMPERATURE (DEGREES F)												
5% ≤	44.1	46.0	46.9	46.9	48.9	52.9	57.2	59.0	57.9	56.7	51.4	48.9
25% ≤	50.0	48.9	48.9	50.0	52.0	55.9	59.0	61.0	61.0	59.0	55.8	52.0
MEDIAN	52.7	51.1	50.9	52.0	54.0	57.9	61.0	62.1	62.1	61.0	57.9	54.0
75% ≤	54.9	52.2	53.1	54.9	55.9	60.1	63.0	64.0	64.4	62.6	59.9	56.3
95% ≤	57.0	55.0	55.8	59.9	60.1	64.0	66.2	67.1	68.0	66.0	62.6	59.0
NUMBER OF OBS	100	85	86	147	155	133	167	243	119	133	100	109
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	50.0	48.9	48.9	50.0	50.0	52.9	56.1	57.9	60.1	57.0	53.8	52.0
MEDIAN	54.0	52.0	52.0	52.9	54.0	57.2	60.8	62.1	63.0	62.1	57.9	55.0
95% ≤	57.0	55.0	55.9	55.9	59.0	62.1	64.9	66.0	66.6	64.9	62.2	60.1
NUMBER OF OBS	97	78	79	140	143	128	150	240	110	120	87	107
MEAN RELATIVE HUMIDITY (%)	84	87	84	79	81	83	84	84	84	86	84	86
NUMBER OF OBS	51	46	51	97	102	81	114	159	65	77	50	43
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	22.1	16.4	13.3	9.8	5.4	3.9	2.7	6.9	7.0	8.8	17.1	21.6
% FREQUENCY OF THUNDER AND LIGHTNING	3.9	.0	4.0	3.3	.8	.0	1.4	.9	2.0	1.0	1.3	3.4
NUMBER OF OBS	77	67	75	122	130	103	148	216	100	102	76	88
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	17.2	20.5	17.2	18.5	19.5	20.8	19.0	21.9	27.4	29.9	24.5	12.7
% FREQUENCY 7-8 OKTAS OR OBSCURED	48.5	54.2	43.7	44.5	49.0	47.7	57.7	54.5	45.3	43.3	41.8	39.1
NUMBER OF OBS	99	83	87	146	149	130	163	242	117	127	98	110
VISIBILITY (% FREQUENCY < 2 N. MI.)	5.3	14.7	4.8	2.9	6.6	9.1	3.7	2.1	4.3	6.6	7.2	9.5
NUMBER OF OBS	94	75	84	136	151	121	161	237	115	121	83	95
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	3.8	6.8	6.7	1.4	1.3	4.5	1.2	1.2	1.6	2.3	3.0	1.8
5% ≤	5.0	3.0	4.0	2.0	2.8	5.0	5.0	4.3	2.0	4.0	5.0	2.9
MEDIAN	15.0	15.0	15.0	14.0	15.0	13.0	16.0	15.0	10.0	13.0	17.0	13.0
95% ≤	32.7	36.2	34.5	28.0	30.0	31.2	29.3	28.0	28.0	31.0	31.9	30.0
NUMBER OF OBS	106	88	90	148	155	132	167	246	122	133	101	109
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	2.1	1.6	.8	.0	1.6	1.6	1.6	1.6	1.6	.0	.8	.8
MEDIAN	4.9	6.6	4.9	4.9	4.9	4.9	4.9	3.3	3.3	4.9	6.6	4.9
95% ≤	11.5	21.3	13.1	11.5	9.8	13.1	13.1	9.8	9.8	11.5	15.6	11.6
% FREQUENCY ≥ 5 FT	71.1	82.5	58.0	66.7	68.8	69.9	63.8	49.5	46.6	65.5	64.0	67.3
% FREQUENCY ≥ 8 FT	33.3	37.5	36.0	22.9	18.3	27.7	27.6	20.7	15.5	27.6	42.0	28.6
% FREQUENCY ≥ 12 FT	11.1	12.5	14.0	9.4	2.2	10.8	10.3	4.8	3.4	10.3	20.0	6.1
NUMBER OF OBS	45	40	50	96	93	83	116	188	58	58	50	49

Table I-6.--Continued

AREA: 601 39-40°N 133-134°W

PERIOD OF RECORD: 1857 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1000.4	995.2	1004.8	1005.0	1006.8	1015.2	1014.2	1015.8	1010.7	1004.3	1005.6	996.0
MEDIAN	1020.0	1024.2	1019.7	1023.9	1023.0	1023.6	1024.3	1022.4	1022.5	1019.3	1021.4	1019.0
95% ≤	1032.5	1035.9	1033.2	1034.2	1030.6	1030.5	1030.0	1027.4	1028.4	1029.3	1030.0	1030.3
NUMBER OF OBS	106	117	124	135	170	217	249	216	243	348	248	125
AIR TEMPERATURE (DEGREES F)												
5% ≤	48.7	48.0	48.0	48.9	50.0	54.0	57.2	61.0	61.9	59.0	54.0	51.8
25% ≤	51.8	50.7	50.0	51.1	54.0	57.0	60.1	64.0	64.0	62.1	57.9	55.9
MEDIAN	54.0	53.1	52.0	53.1	55.4	59.0	62.1	66.0	66.0	64.0	60.8	57.9
75% ≤	57.0	55.9	55.0	55.4	57.2	61.0	64.0	68.0	68.0	66.0	62.6	61.0
95% ≤	59.0	60.1	57.9	60.8	62.1	64.4	68.0	71.6	71.6	69.1	64.9	64.2
NUMBER OF OBS	116	127	132	140	180	222	271	222	259	358	261	130
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	52.3	51.1	50.0	50.0	51.8	55.4	57.9	62.6	62.8	62.1	57.9	55.0
MEDIAN	55.9	55.0	54.0	55.0	55.9	59.7	62.1	66.9	67.8	66.0	62.6	59.0
95% ≤	61.0	57.9	57.9	57.9	60.1	63.0	68.0	70.9	70.0	70.0	66.0	63.0
NUMBER OF OBS	109	120	129	132	162	214	259	205	245	348	257	120
MEAN RELATIVE HUMIDITY (%)	82	83	79	78	81	83	84	82	79	78	80	84
NUMBER OF OBS	61	71	83	82	97	121	156	131	141	192	153	75
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	17.2	12.6	6.9	8.8	12.1	5.8	10.4	9.2	3.2	10.1	10.9	14.0
% FREQUENCY OF THUNDER AND LIGHTNING	5.4	1.9	7.8	.9	3.4	1.7	2.2	3.8	1.4	8.6	3.5	2.6
NUMBER OF OBS	93	103	102	114	149	173	231	185	222	327	230	114
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	8.0	11.8	10.0	9.1	7.9	12.3	8.0	17.6	17.7	18.4	9.4	8.1
% FREQUENCY 7-8 OKTAS OR OBSCURED	58.4	59.1	46.2	61.5	62.7	67.7	67.9	51.8	44.5	45.8	48.8	56.3
NUMBER OF OBS	113	127	130	143	177	220	274	222	254	358	256	135
VISIBILITY (% FREQUENCY < 2 N. MI.)	7.2	13.1	1.6	4.3	7.8	6.9	3.4	.5	.8	.8	5.4	5.3
NUMBER OF OBS	111	122	125	139	179	216	265	222	251	354	259	131
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	8.7	2.4	3.0	1.4	.6	.0	.0	.5	.0	1.4	1.9	5.9
5% ≤	5.0	2.3	3.0	3.0	.1	2.0	2.0	3.0	5.0	3.0	2.0	5.0
MEDIAN	16.0	13.0	15.0	13.0	12.0	10.0	10.0	12.0	13.0	13.0	14.0	15.0
95% ≤	37.8	28.0	32.3	28.9	24.0	20.0	20.0	22.0	26.0	28.0	30.0	35.0
NUMBER OF OBS	115	125	134	143	181	224	273	220	258	363	261	135
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	3.3	2.3	1.6	.0	.0	1.6	1.6	1.6	1.6	.0	1.6	1.6
MEDIAN	6.6	4.9	6.6	4.9	4.9	4.9	3.3	3.3	4.9	4.9	4.9	6.6
95% ≤	16.1	14.1	14.8	14.8	12.0	12.6	9.8	6.6	9.8	10.8	13.1	19.2
% FREQUENCY ≥ 5 FT	86.2	69.1	77.6	61.3	58.9	58.2	38.4	31.1	64.8	51.1	53.8	68.7
% FREQUENCY ≥ 8 FT	44.6	32.4	36.8	38.8	16.8	23.3	9.0	4.7	18.2	18.7	26.9	41.0
% FREQUENCY ≥ 12 FT	32.3	13.2	11.8	16.3	6.3	7.5	2.3	.7	2.4	5.2	10.2	22.9
NUMBER OF OBS	65	68	76	80	95	146	177	148	165	268	186	83

Table I-6.--Continued

AREA: 611 37-38°N 126-127°W

PERIOD OF RECORD: 1854 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1004.7	1006.6	1005.0	1011.3	1010.7	1012.2	1013.2	1012.7	1010.5	1008.5	1007.8	1004.5
MEDIAN	1020.7	1021.7	1020.0	1020.0	1020.0	1018.0	1018.6	1018.0	1017.0	1018.3	1020.3	1019.9
95% ≤	1029.7	1030.1	1028.5	1027.1	1025.7	1024.0	1022.6	1022.0	1021.7	1024.4	1027.9	1029.7
NUMBER OF OBS	252	268	334	405	404	387	392	341	382	377	370	273
AIR TEMPERATURE (DEGREES F)												
5% ≤	48.2	48.4	48.0	50.0	51.8	54.0	55.8	57.0	57.9	57.0	53.2	50.0
25% ≤	52.0	51.4	51.1	52.0	54.0	57.0	59.0	60.1	60.8	59.0	55.9	54.0
MEDIAN	54.9	53.6	53.1	54.0	55.4	59.0	60.8	62.1	63.0	61.0	59.0	55.9
75% ≤	57.0	55.9	55.4	56.8	59.0	61.0	62.6	64.0	66.0	63.0	61.0	57.9
95% ≤	59.0	59.9	60.1	62.6	63.0	64.4	66.2	68.5	68.0	66.9	64.9	61.0
NUMBER OF OBS	314	284	372	427	424	408	427	365	410	402	404	294
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	51.1	51.1	50.0	51.1	52.0	53.6	54.0	55.9	57.0	55.9	55.0	53.6
MEDIAN	55.2	54.0	54.0	55.0	55.9	57.9	60.1	60.8	62.6	62.1	60.1	57.2
95% ≤	59.7	59.0	58.5	59.0	60.8	62.6	64.4	66.2	68.0	66.2	64.9	62.1
NUMBER OF OBS	298	258	347	396	397	391	389	353	389	386	381	281
MEAN RELATIVE HUMIDITY (%)	82	83	80	79	82	85	86	87	85	84	84	83
NUMBER OF OBS	177	188	207	276	246	246	218	211	269	262	258	187
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	10.6	7.8	7.8	7.1	1.3	3.8	4.0	3.4	1.3	5.4	8.4	9.5
% FREQUENCY OF THUNDER AND LIGHTNING	1.3	1.8	1.5	2.3	.7	.4	1.3	.4	1.3	1.3	2.1	.9
NUMBER OF OBS	235	217	270	311	300	266	299	238	307	298	287	220
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	18.5	23.0	18.3	20.0	28.0	26.2	24.9	30.7	40.4	32.1	29.1	16.6
% FREQUENCY 7-8 OKTAS OR OBSCURED	40.1	42.0	42.0	43.9	38.0	48.3	57.7	52.9	33.8	45.4	39.5	55.1
NUMBER OF OBS	297	274	371	410	418	389	418	348	396	368	382	283
VISIBILITY (% FREQUENCY < 2 N. MI.)	5.8	4.5	6.0	1.9	2.7	6.0	4.2	4.3	3.7	3.9	8.3	9.8
NUMBER OF OBS	295	268	364	421	414	398	407	349	402	386	386	287
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	3.2	1.4	2.1	1.9	2.8	2.2	1.4	.5	2.2	1.5	1.5	3.7
5% ≤	2.0	4.0	2.7	5.0	5.0	5.0	5.0	4.0	4.0	3.1	3.5	5.0
MEDIAN	13.0	13.0	15.0	15.0	15.0	16.0	16.0	15.0	13.0	12.0	10.5	13.0
95% ≤	30.0	30.0	28.0	30.0	30.0	30.0	30.0	29.7	30.0	26.0	27.0	30.0
NUMBER OF OBS	312	284	374	430	426	407	429	367	411	402	409	298
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	.0	1.6	.0
MEDIAN	4.9	4.9	6.6	6.6	4.9	6.6	4.9	4.9	4.9	4.9	4.9	6.6
95% ≤	14.4	11.5	13.4	13.1	12.5	11.5	13.1	12.1	11.6	11.5	11.5	13.4
% FREQUENCY ≥ 5 FT	64.8	73.4	75.1	72.9	67.7	72.5	72.0	71.1	64.4	64.8	69.4	72.3
% FREQUENCY ≥ 8 FT	39.3	27.9	31.1	36.7	31.0	30.9	31.4	21.4	29.7	22.9	24.9	32.8
% FREQUENCY ≥ 12 FT	12.4	7.1	16.4	11.4	8.7	5.9	9.7	7.5	10.0	6.2	7.8	15.3
NUMBER OF OBS	145	154	177	229	229	204	207	173	219	210	193	137

Table I-6.--Continued

AREA: 612 36-37°N 129-130°W

PERIOD OF RECORD: 1854 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1005.9	1005.2	1005.3	1012.3	1012.8	1013.8	1016.6	1014.6	1011.7	1008.8	1008.2	1004.2
MEDIAN	1021.7	1022.0	1021.7	1023.7	1022.2	1020.7	1020.8	1021.1	1019.0	1020.0	1021.3	1020.5
95% ≤	1031.6	1033.0	1030.8	1029.7	1028.3	1026.1	1025.6	1025.4	1024.6	1027.6	1028.8	1030.8
NUMBER OF OBS	246	242	318	342	236	289	215	198	308	297	336	286
AIR TEMPERATURE (DEGREES F)												
5% ≤	50.0	50.0	49.8	50.0	53.1	55.9	59.0	61.2	62.1	59.0	55.9	54.0
25% ≤	53.6	52.7	53.1	53.6	55.4	59.0	62.1	63.0	64.0	62.1	59.0	57.0
MEDIAN	55.9	55.0	55.0	55.9	57.2	61.7	63.0	66.0	66.0	63.9	60.8	59.0
75% ≤	59.0	57.4	57.9	59.0	60.1	64.0	64.9	68.0	68.0	64.9	63.0	60.8
95% ≤	62.1	61.0	62.1	63.0	63.0	68.0	69.8	70.0	71.1	68.0	66.9	64.0
NUMBER OF OBS	266	274	364	362	250	308	223	224	324	341	374	310
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	53.1	52.0	52.0	53.1	54.0	56.8	59.0	61.0	62.1	60.1	57.9	55.9
MEDIAN	57.9	55.9	55.9	57.0	57.9	61.0	64.0	64.9	66.9	64.0	62.1	60.1
95% ≤	61.7	60.1	60.1	60.1	62.1	64.9	66.9	70.0	70.0	68.7	66.9	64.0
NUMBER OF OBS	247	259	345	343	234	290	211	212	310	323	348	285
MEAN RELATIVE HUMIDITY (%)	80	82	79	79	80	82	83	82	81	80	79	82
NUMBER OF OBS	174	200	241	264	191	221	160	160	235	255	263	239
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	7.8	4.2	7.3	1.9	5.8	6.1	3.2	3.0	1.6	3.4	7.5	9.3
% FREQUENCY OF THUNDER AND LIGHTNING	2.4	3.3	2.7	1.6	2.1	1.6	1.6	3.0	2.0	1.3	2.5	4.0
NUMBER OF OBS	206	215	300	316	191	245	185	167	247	238	279	227
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	13.1	15.9	17.1	14.7	17.2	16.7	10.8	17.8	22.3	21.3	19.0	14.8
% FREQUENCY 7-8 OKTAS OR OBSCURED	48.0	43.2	45.7	48.2	52.7	53.3	67.6	54.3	45.3	41.9	45.7	45.8
NUMBER OF OBS	252	264	350	353	239	287	204	208	296	291	337	271
VISIBILITY (% FREQUENCY < 2 N. MI.)	3.5	3.8	2.3	2.2	2.5	1.7	2.8	.5	.3	.9	2.2	2.3
NUMBER OF OBS	258	264	351	359	241	301	215	212	320	328	357	299
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	2.3	.7	2.5	1.6	.8	.3	.0	.0	.3	.9	.3	4.9
5% ≤	3.0	3.0	5.0	4.0	4.0	4.0	5.0	4.3	3.5	3.1	4.0	4.4
MEDIAN	13.5	13.0	15.0	13.0	14.0	13.0	15.0	13.0	13.0	12.0	13.0	14.0
95% ≤	30.0	28.3	30.0	27.8	26.4	25.6	25.0	25.0	25.0	26.0	28.0	33.0
NUMBER OF OBS	265	274	365	364	252	309	220	225	330	341	367	308
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	.0	1.6	1.6	1.6
MEDIAN	4.9	6.6	6.6	4.9	4.9	3.3	4.9	3.3	3.3	4.9	4.9	5.7
95% ≤	13.1	11.5	13.1	11.5	11.5	11.5	9.8	8.2	9.8	11.5	13.1	13.1
% FREQUENCY ≥ 5 FT	68.1	71.4	73.3	53.4	62.7	49.8	64.1	49.6	47.9	68.8	74.8	71.6
% FREQUENCY ≥ 8 FT	33.3	28.6	33.6	21.4	22.0	16.9	14.7	8.9	13.9	26.0	33.3	37.3
% FREQUENCY ≥ 12 FT	12.1	6.2	12.9	6.1	6.0	7.0	2.6	1.6	2.1	6.9	12.4	13.0
NUMBER OF OBS	141	161	217	262	150	201	156	123	194	173	210	169

Table I-6.--Continued

AREA: 621 34-35°N 130-131°W

PERIOD OF RECORD: 1869 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1007.0	1004.9	1009.1	1010.5	1012.3	1014.9	1016.8	1016.0	1012.0	1010.8	1009.8	1008.0
MEDIAN	1022.8	1022.0	1022.4	1023.0	1022.8	1022.0	1022.0	1021.0	1018.6	1020.5	1022.0	1022.6
95% ≤	1031.5	1032.1	1030.5	1030.3	1029.8	1026.8	1026.0	1024.7	1024.0	1027.4	1028.3	1030.5
NUMBER OF OBS	359	353	359	304	291	244	242	244	233	261	318	295
AIR TEMPERATURE (DEGREES F)												
5% ≤	53.6	52.0	51.8	53.2	55.0	57.0	60.1	62.6	63.5	62.2	57.9	55.4
25% ≤	55.9	55.0	55.0	55.8	57.0	60.1	62.6	64.4	64.9	64.0	60.8	57.9
MEDIAN	58.5	57.2	57.0	57.9	59.0	62.1	64.0	66.0	66.9	64.9	62.6	60.3
75% ≤	61.0	60.3	59.0	60.6	61.5	64.0	65.8	68.0	69.8	67.5	64.9	62.6
95% ≤	63.1	64.0	62.1	64.4	66.0	67.3	68.5	72.0	73.4	70.0	68.0	64.9
NUMBER OF OBS	395	374	399	324	298	250	249	258	264	286	352	336
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	55.4	55.0	54.0	55.0	55.9	59.0	61.0	62.2	64.0	62.8	60.3	57.9
MEDIAN	60.1	59.0	57.9	59.0	60.1	62.4	64.9	66.2	68.0	66.2	64.4	62.1
95% ≤	64.0	63.0	62.1	62.1	64.0	66.9	69.1	72.0	73.0	70.0	68.0	66.0
NUMBER OF OBS	377	342	376	298	283	235	234	245	253	272	333	322
MEAN RELATIVE HUMIDITY (%)	80	79	79	77	79	82	82	82	79	79	77	80
NUMBER OF OBS	271	266	260	215	240	199	192	197	204	205	247	234
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	7.4	7.1	6.8	5.7	4.9	1.7	5.2	1.4	1.7	2.1	6.6	5.6
% FREQUENCY OF THUNDER AND LIGHTNING	2.7	2.8	2.6	2.7	2.2	1.7	1.3	3.7	2.5	2.5	3.0	3.1
NUMBER OF OBS	338	322	340	262	268	230	231	218	240	236	301	287
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	14.5	15.0	14.0	15.2	11.3	11.3	7.7	18.8	22.6	21.4	17.1	15.2
% FREQUENCY 7-8 OKTAS OR OBSCURED	31.9	52.1	50.5	49.5	51.7	60.9	68.7	55.6	37.4	41.1	39.4	46.1
NUMBER OF OBS	385	374	392	315	292	248	246	250	265	280	345	336
VISIBILITY (% FREQUENCY < 2 N. MI.)	5.2	4.4	2.6	1.6	2.0	1.2	.0	.0	.4	1.5	3.0	1.5
NUMBER OF OBS	384	364	380	316	295	249	245	252	259	273	338	326
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	1.5	1.3	2.0	1.5	1.0	.8	.0	.0	.4	.4	1.4	1.8
5% ≤	2.0	4.0	5.0	3.0	3.0	4.5	4.5	3.9	3.0	2.0	2.0	2.0
MEDIAN	13.0	13.0	14.0	12.0	12.0	14.0	13.0	11.0	12.0	12.0	12.5	12.0
95% ≤	28.0	28.0	30.0	26.0	23.0	24.0	23.6	20.2	23.8	24.0	27.5	28.0
NUMBER OF OBS	394	373	394	325	298	250	249	257	264	285	351	333
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	1.6	1.6	1.6	1.6	1.6	.5	1.6	.0	.5	1.6	1.6
MEDIAN	4.9	6.6	6.6	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.6
95% ≤	13.1	11.5	11.5	12.8	9.8	9.8	9.8	9.8	9.8	11.2	13.1	13.1
% FREQUENCY ≥ 5 FT	70.0	73.3	74.1	67.3	58.4	63.1	55.7	55.6	64.1	60.5	71.5	69.8
% FREQUENCY ≥ 8 FT	31.2	32.0	28.9	23.4	19.6	13.4	15.7	12.9	15.9	29.2	28.5	36.2
% FREQUENCY ≥ 12 FT	8.5	11.3	7.5	8.8	2.7	4.3	1.6	3.4	3.6	5.4	10.0	13.1
NUMBER OF OBS	247	247	239	205	219	187	185	178	195	185	221	199

Table I-6.--Concluded

AREA: 622 32-33°N 152-126°W

PERIOD OF RECORD: 1869 - 1970

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
SEA LEVEL PRESSURE (MB)												
5% ≤	1011.9	1010.2	1010.5	1012.5	1013.2	1013.2	1013.5	1014.2	1011.3	1013.2	1011.6	1009.8
MEDIAN	1021.7	1021.5	1021.7	1020.7	1020.1	1018.6	1018.3	1017.9	1016.6	1019.0	1019.3	1020.7
95% ≤	1027.5	1029.1	1027.0	1026.1	1025.5	1022.5	1022.0	1021.6	1020.7	1023.4	1026.9	1027.5
NUMBER OF OBS	317	239	301	293	308	276	280	296	251	328	289	310
AIR TEMPERATURE (DEGREES F)												
5% ≤	53.1	52.0	53.1	53.8	55.0	57.0	59.2	61.0	61.0	60.1	57.9	55.0
25% ≤	55.9	55.0	55.0	55.9	57.2	59.0	61.0	63.0	64.0	62.6	60.1	57.9
MEDIAN	57.9	57.0	57.0	57.9	59.0	61.0	63.0	64.0	64.9	64.0	62.1	60.1
75% ≤	60.1	60.1	59.0	60.1	61.0	63.0	64.9	66.0	68.0	66.0	64.0	62.1
95% ≤	63.7	64.9	64.0	63.9	64.4	67.3	68.5	70.0	70.9	69.3	68.0	64.9
NUMBER OF OBS	346	257	317	310	319	294	287	310	269	368	316	339
SEA SURFACE TEMPERATURE (DEGREES F)												
5% ≤	55.9	55.0	55.0	55.6	55.9	57.9	60.1	61.0	62.6	62.1	60.1	57.0
MEDIAN	60.1	58.8	57.9	59.0	60.1	62.1	63.0	64.9	66.0	64.9	64.0	62.1
95% ≤	63.1	62.1	62.1	63.0	64.0	66.9	68.0	68.9	70.0	70.0	68.0	66.0
NUMBER OF OBS	330	245	307	293	307	284	273	290	254	342	304	323
MEAN RELATIVE HUMIDITY (%)	81	79	77	78	79	82	83	84	80	79	80	80
NUMBER OF OBS	271	190	263	269	261	243	236	256	217	301	245	269
WEATHER (AT OBSERVATION TIME)												
% FREQUENCY OF PRECIPITATION	7.3	5.9	6.2	2.5	2.2	3.1	2.1	1.1	.9	2.0	5.4	7.6
% FREQUENCY OF THUNDER AND LIGHTNING	3.8	2.7	2.2	1.3	2.9	.4	.0	.4	.4	.8	1.3	2.5
NUMBER OF OBS	286	221	274	240	278	255	243	273	229	245	240	236
CLOUDINESS (TOTAL SKY COVER)												
% FREQUENCY 0-2 OKTAS	18.5	22.1	18.2	18.2	18.0	14.2	14.1	12.2	20.3	19.8	22.5	22.5
% FREQUENCY 7-8 OKTAS OR OBSCURED	43.5	38.3	45.7	42.7	54.3	58.5	63.9	65.4	57.4	39.3	34.2	39.3
NUMBER OF OBS	329	253	302	274	311	282	269	295	251	308	284	285
VISIBILITY (% FREQUENCY < 2 N. MI.)	3.8	5.3	.9	.3	.6	1.7	.7	1.3	.0	1.4	.6	1.2
NUMBER OF OBS	340	246	318	304	321	290	286	307	268	355	308	333
WIND SPEED (KNOTS)												
% FREQUENCY ≥ 34 KNOTS	.0	.0	1.6	1.0	.3	.7	.3	.0	.4	.3	.0	.9
5% ≤	4.0	2.0	3.0	3.0	5.0	5.0	5.0	4.0	2.0	2.0	2.0	4.0
MEDIAN	12.0	13.0	14.0	15.0	14.0	15.0	15.0	14.0	12.0	12.0	12.0	13.5
95% ≤	25.0	25.2	27.0	25.5	25.9	26.4	25.0	23.0	24.0	25.0	24.3	27.8
NUMBER OF OBS	347	256	321	311	323	293	288	315	269	359	315	345
WAVE HEIGHT (FEET, HIGHER OF WAVE OR SWELL)												
5% ≤	1.6	.0	1.6	1.6	1.6	1.6	1.6	1.6	.0	1.6	1.6	1.6
MEDIAN	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
95% ≤	11.5	10.7	13.1	11.5	9.8	10.2	9.8	9.8	9.8	11.5	11.5	13.1
% FREQUENCY ≥ 5 FT	61.3	70.9	65.7	72.2	60.9	65.3	63.4	62.3	64.5	56.0	61.5	69.5
% FREQUENCY ≥ 8 FT	19.6	27.2	27.4	30.0	14.4	21.9	16.1	17.6	18.6	20.6	21.9	28.1
% FREQUENCY ≥ 12 FT	6.2	5.3	8.0	8.9	5.0	5.1	3.8	2.0	4.1	6.3	7.1	7.8
NUMBER OF OBS	194	151	201	180	202	196	186	199	172	175	169	167

3. Surface Wind Roses

a. **Western North Atlantic and Gulf of Mexico**
b. **Eastern North Pacific**

The wind roses that follow were taken directly from U.S. Navy sources and are reproduced here without any changes. These sources are H.O. Pub. No. 700 Series (U.S. Navy, 1963), Volumes I and II of the Marine Climatic Atlas of the World (U.S. Navy, 1955, 1956), and certain classified U.S. Navy publications. The wind roses are the most comprehensive summaries of data available anywhere for whole-ocean scales of the phenomena.

Wind roses were compiled from U.S. Weather Bureau punch card decks and are based on a minimum of 100 observations. Hence the roses, as typified by the one centered at 37.5°N, 72.5°W for February, constitute the most reliable index of winds over open water.

The winds, as portrayed by the roses, are distributed among 8 directions and 5 speed groups and are plotted to the nearest whole percent. To determine the percentage of winds from a certain direction, the total length of the arm facing that direction should be measured and compared with the rose scale in the legend.

The total frequency of winds falling within a certain speed group may be estimated by measuring the length of each contribution on the bar graph located at the base of each rose.

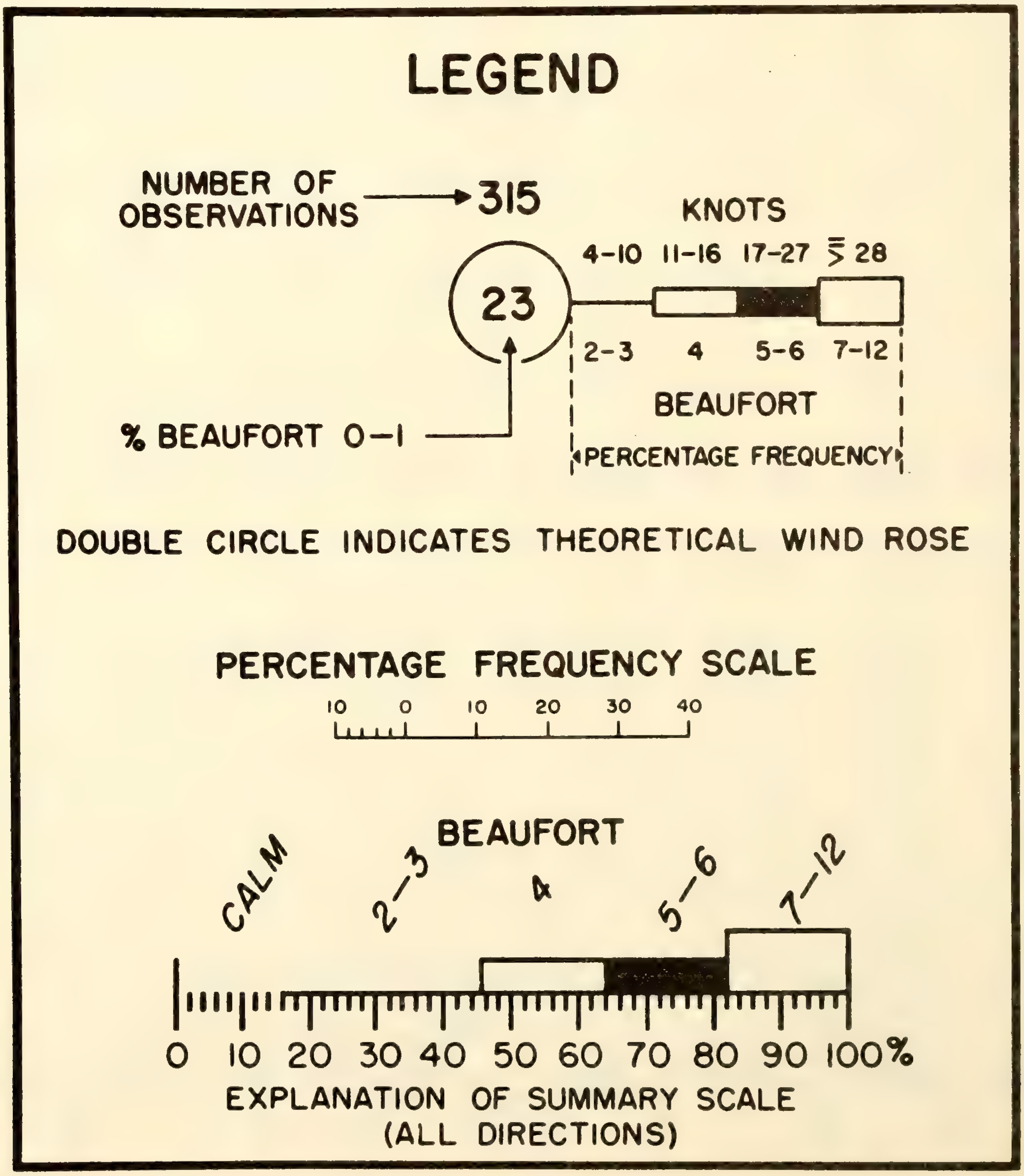


Figure I-4.-- Legend for western North Atlantic surface wind roses.

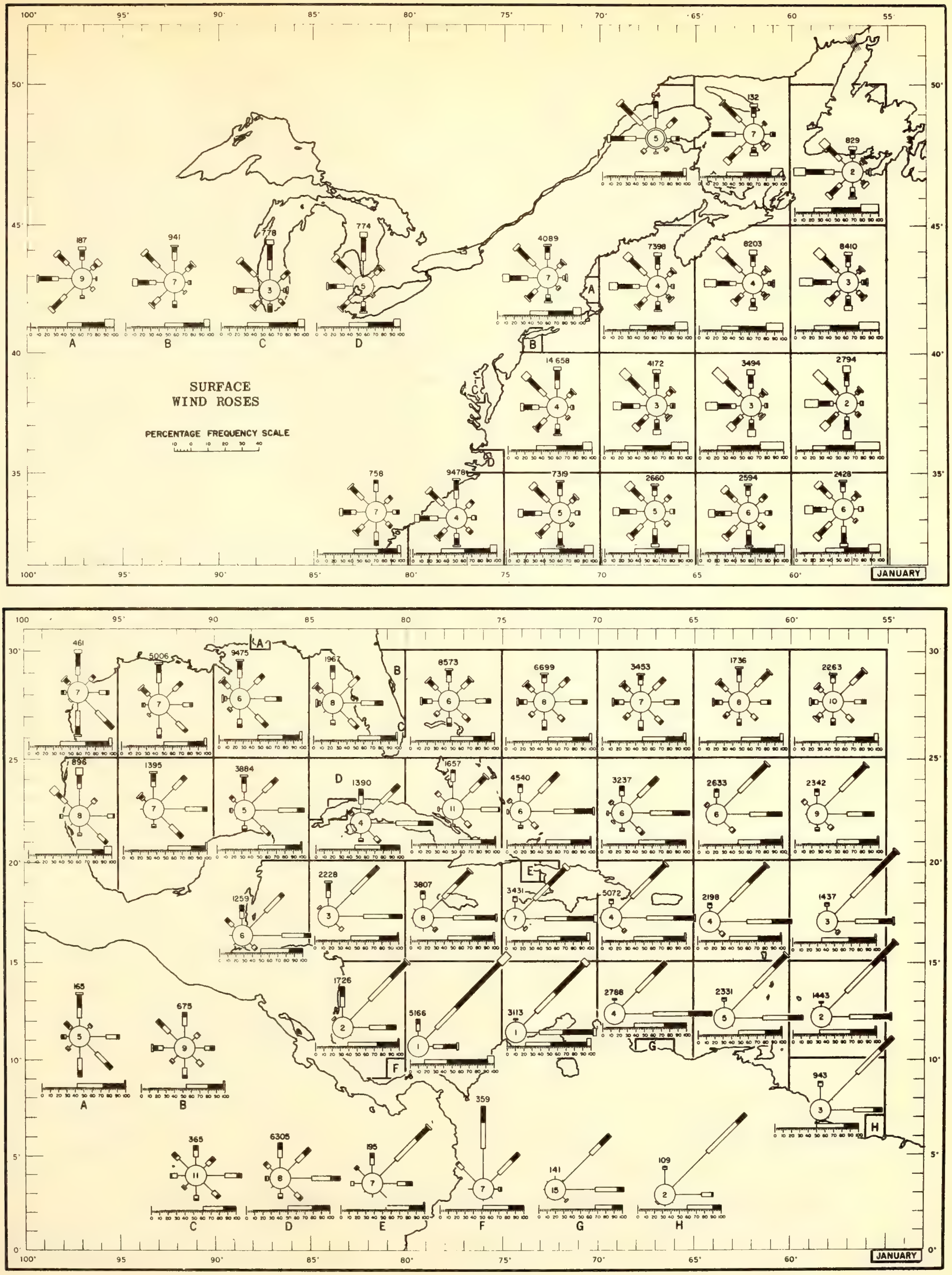


Figure I-5.-- Surface wind roses, western North Atlantic, by month: January.

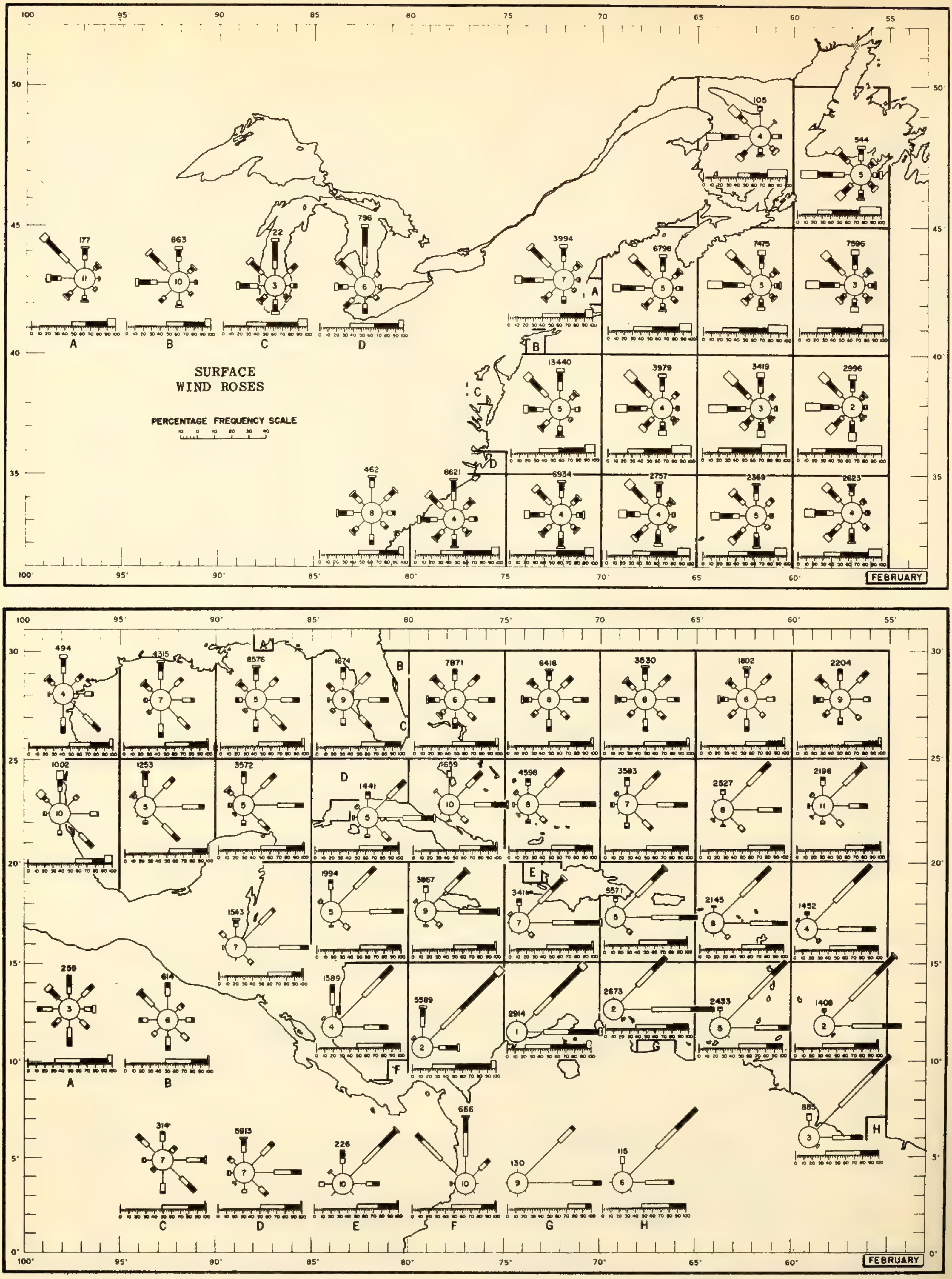


Figure I-6.-- Surface wind roses, western North Atlantic, by month: February.

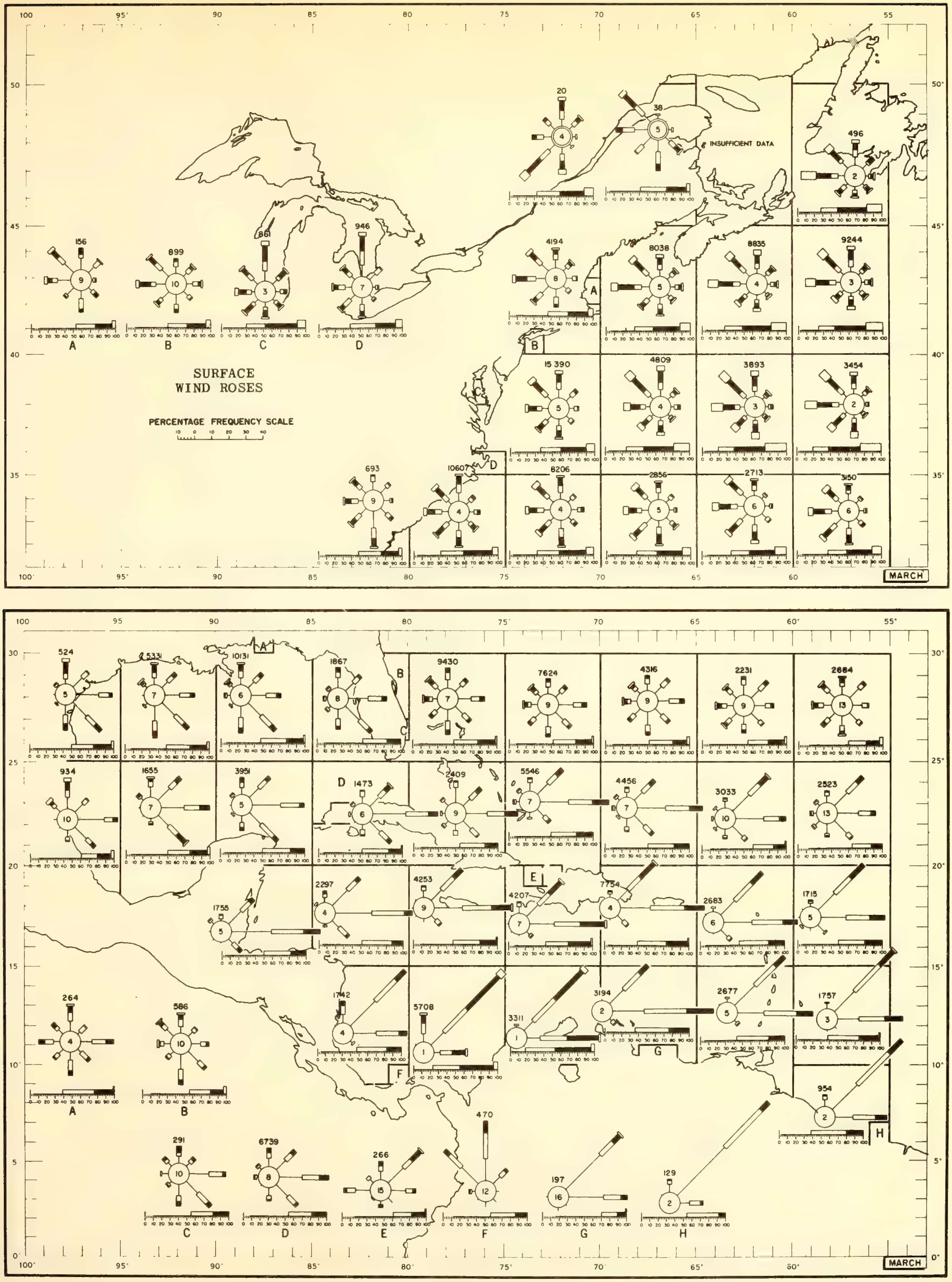
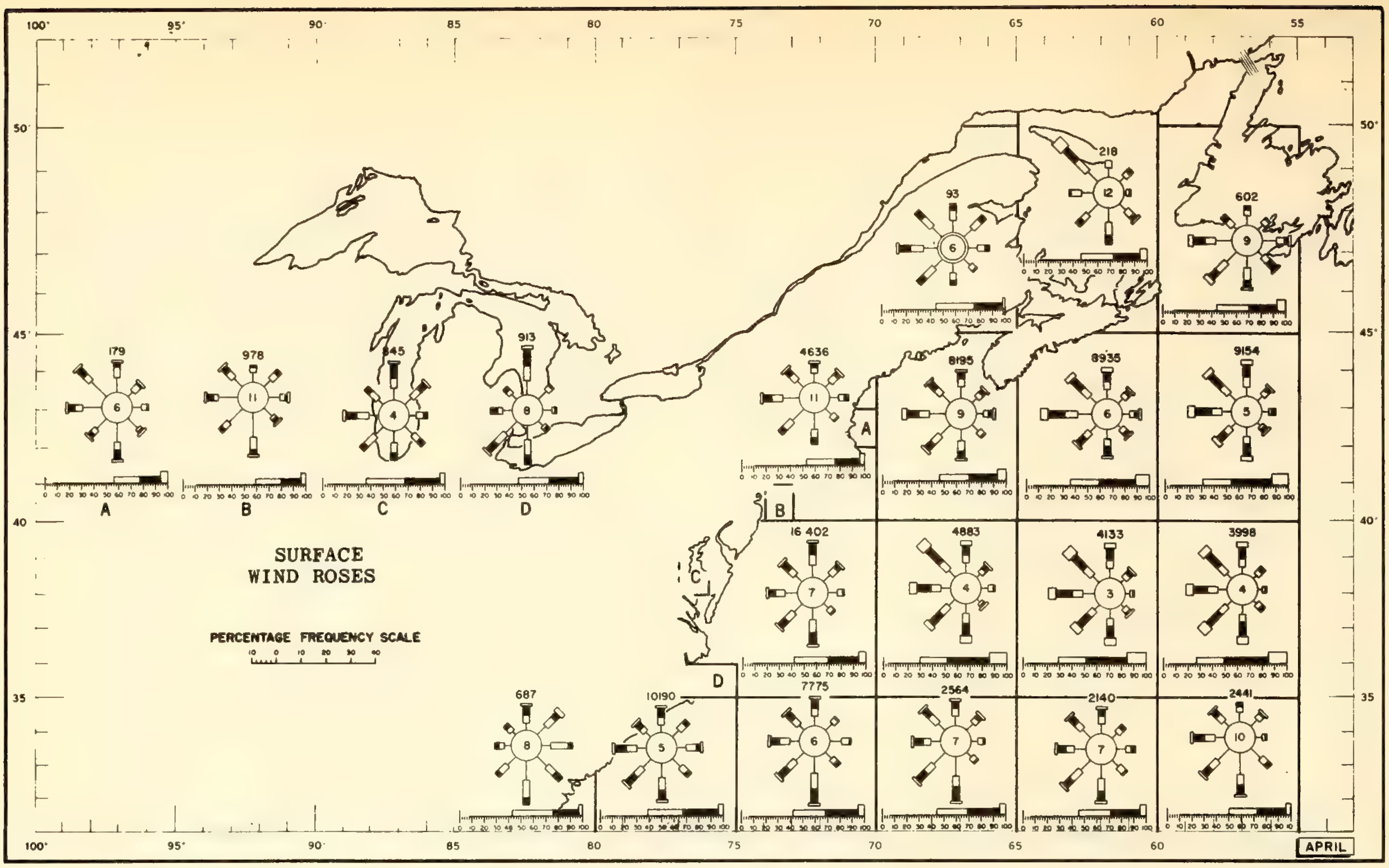


Figure I-7.-- Surface wind roses, western North Atlantic, by month: March.



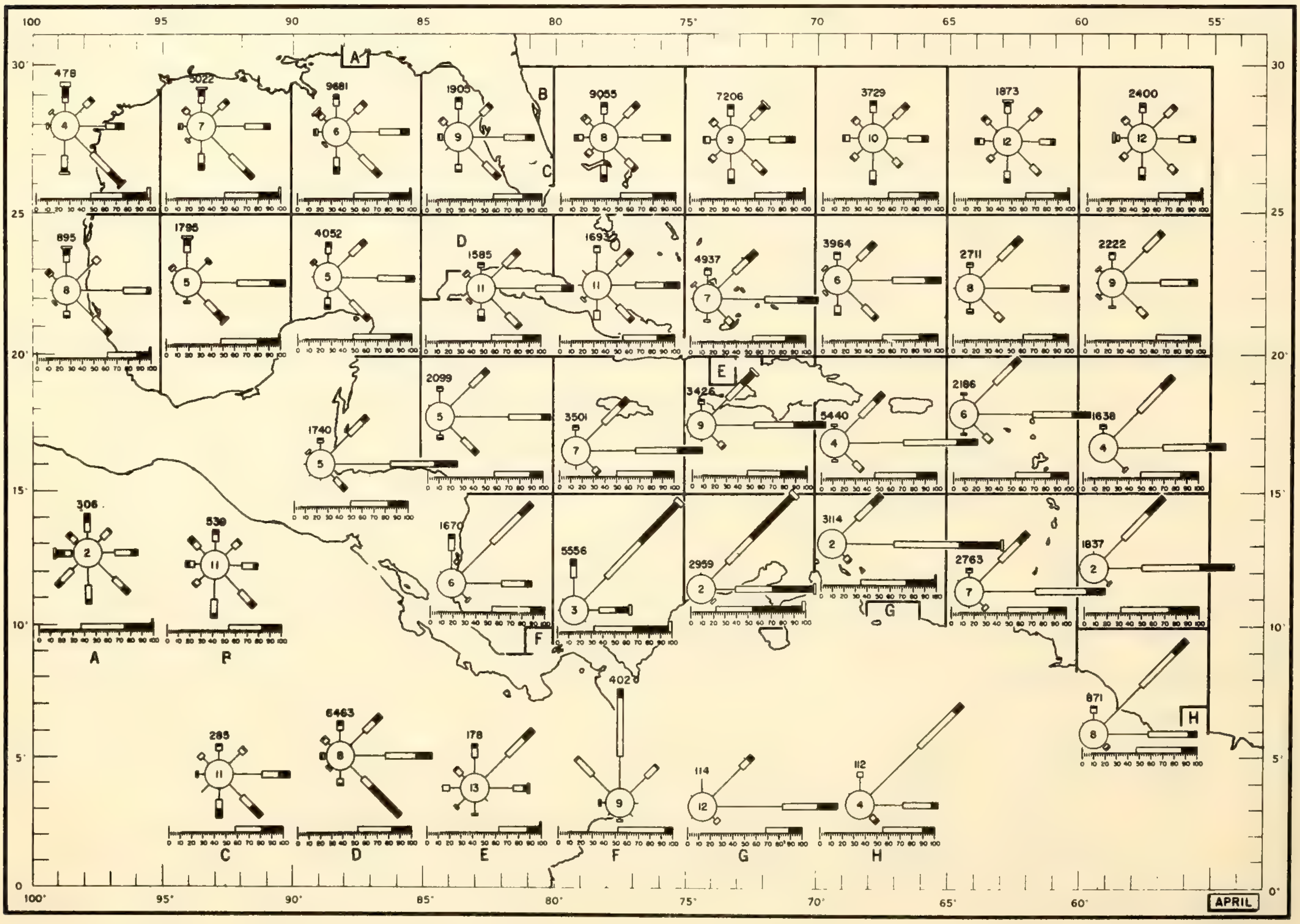


Figure I-8.-- Surface wind roses, western North Atlantic, by month: April.

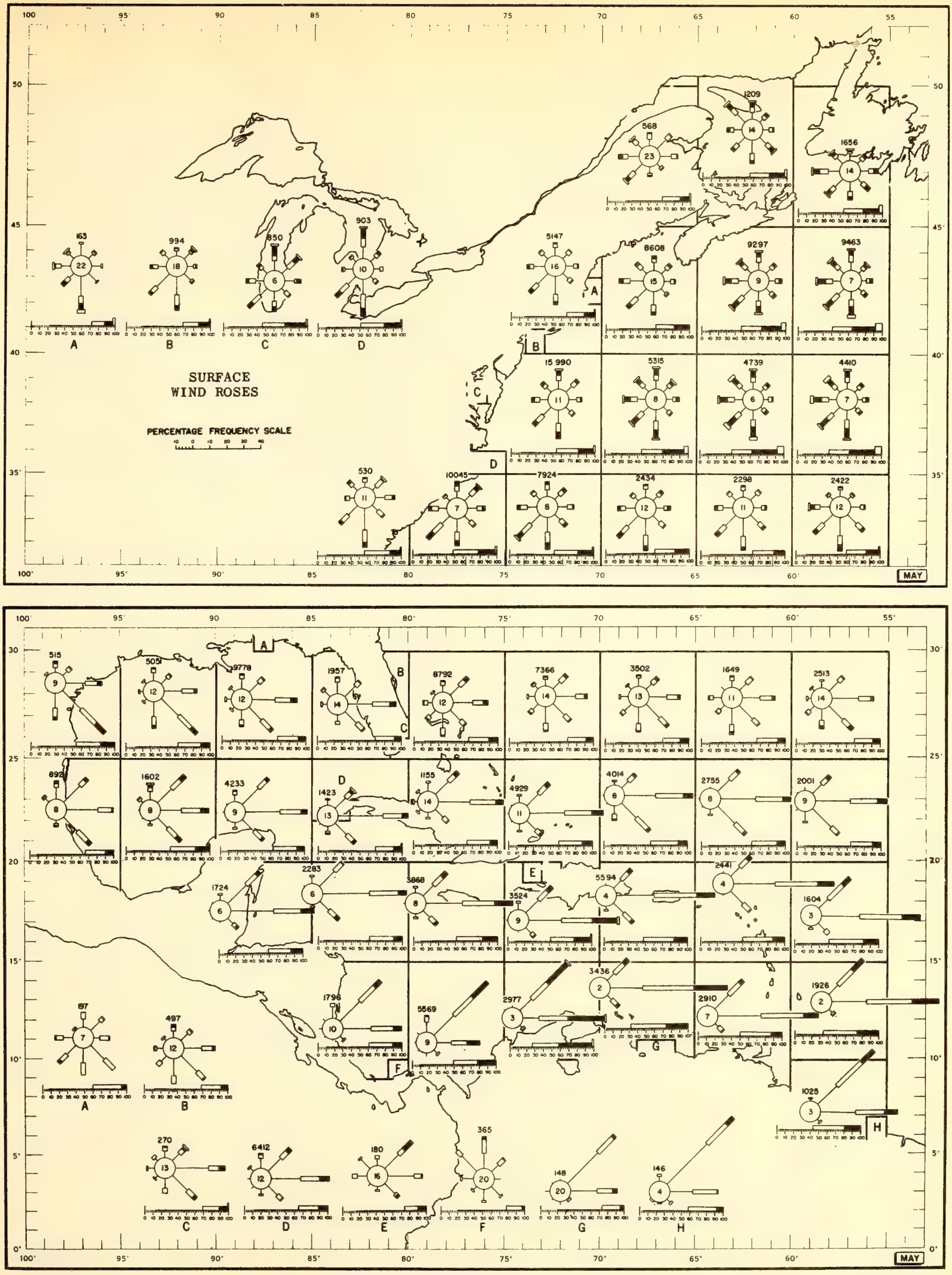


Figure I-9.-- Surface wind roses, western North Atlantic, by month: May.

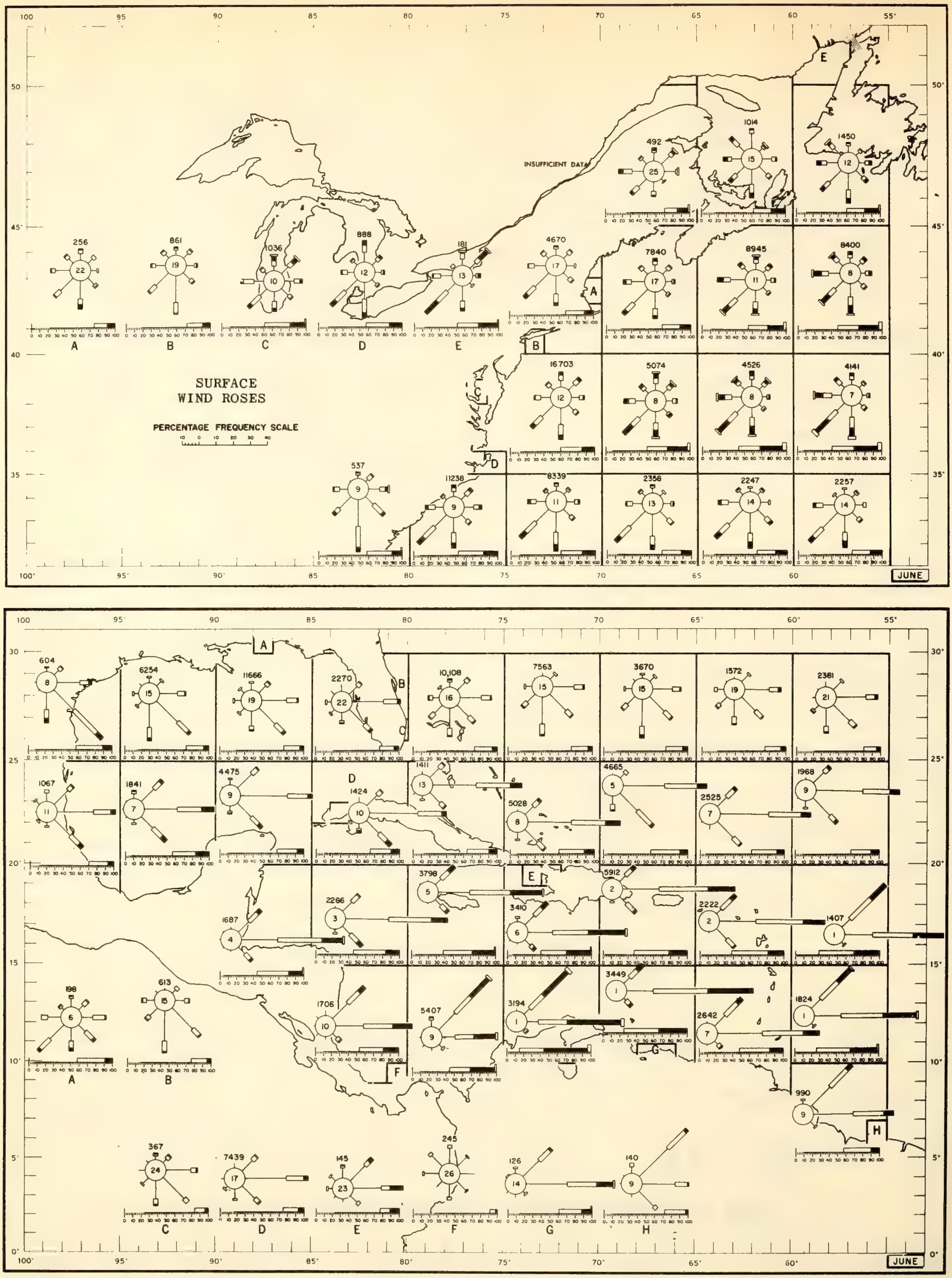


Figure I-10.-- Surface wind roses, western North Atlantic, by month: June.

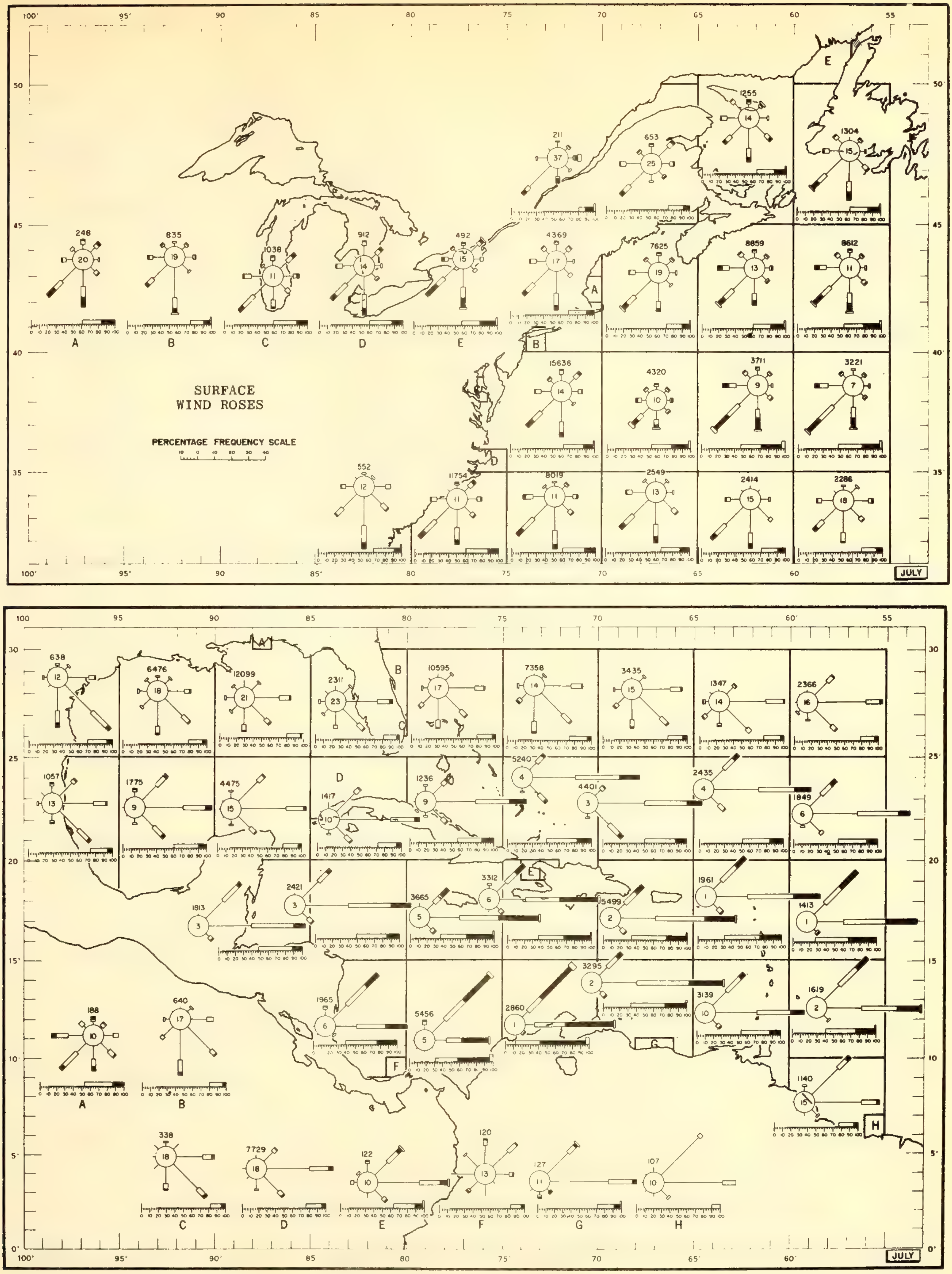
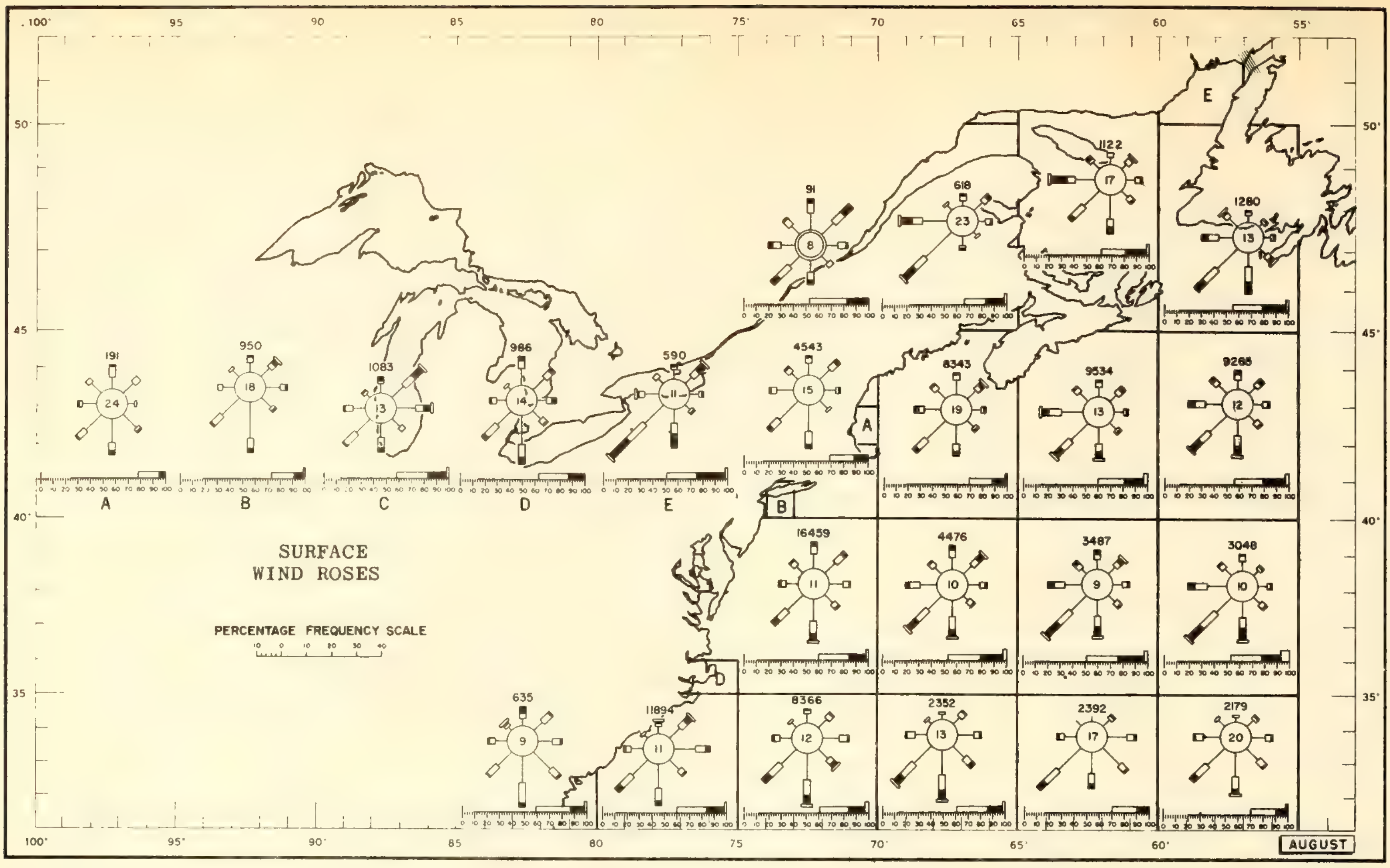


Figure I-11.-- Surface wind roses, western North Atlantic, by month: July.



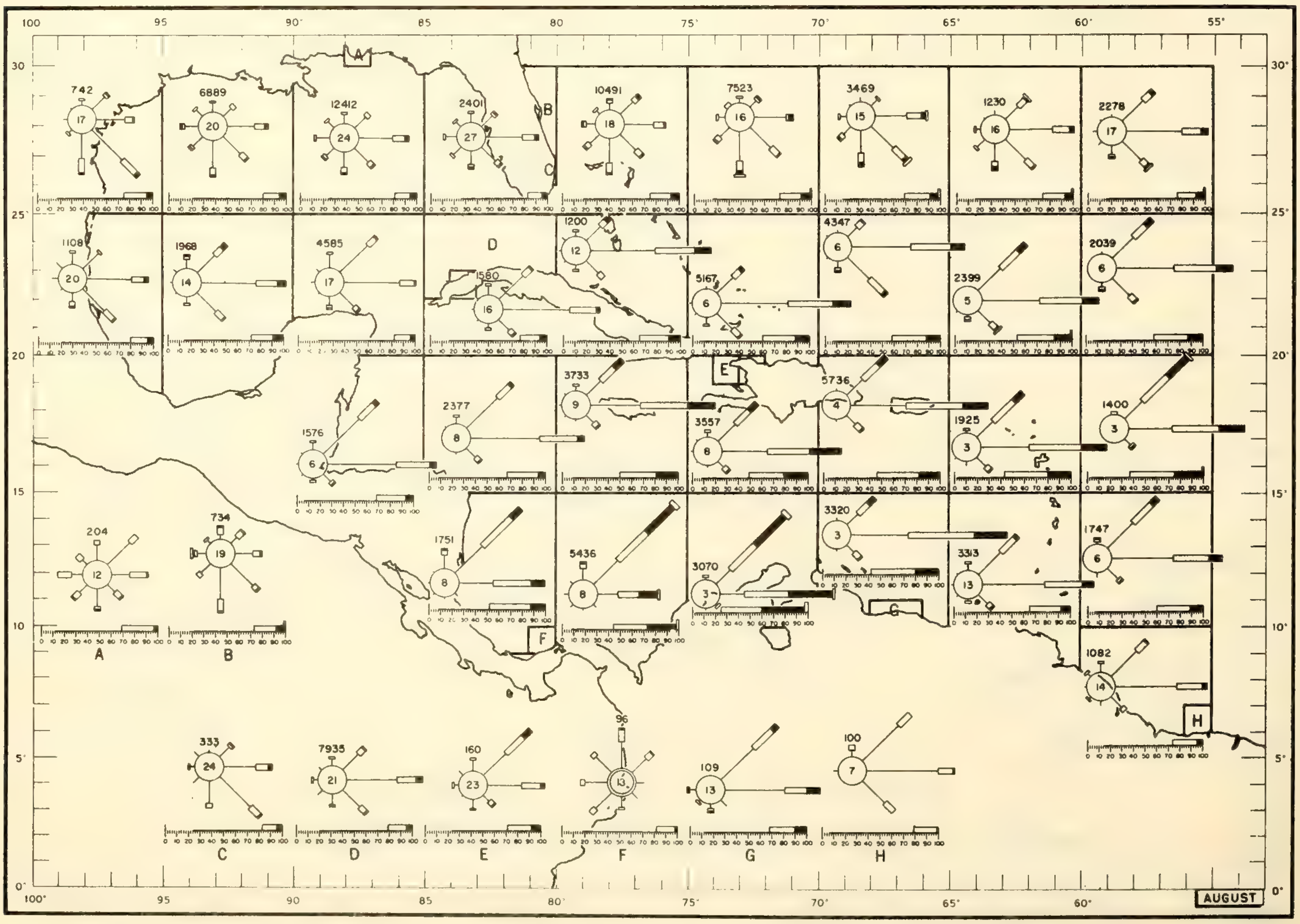


Figure I-12.-- Surface wind roses, western North Atlantic, by month: August.

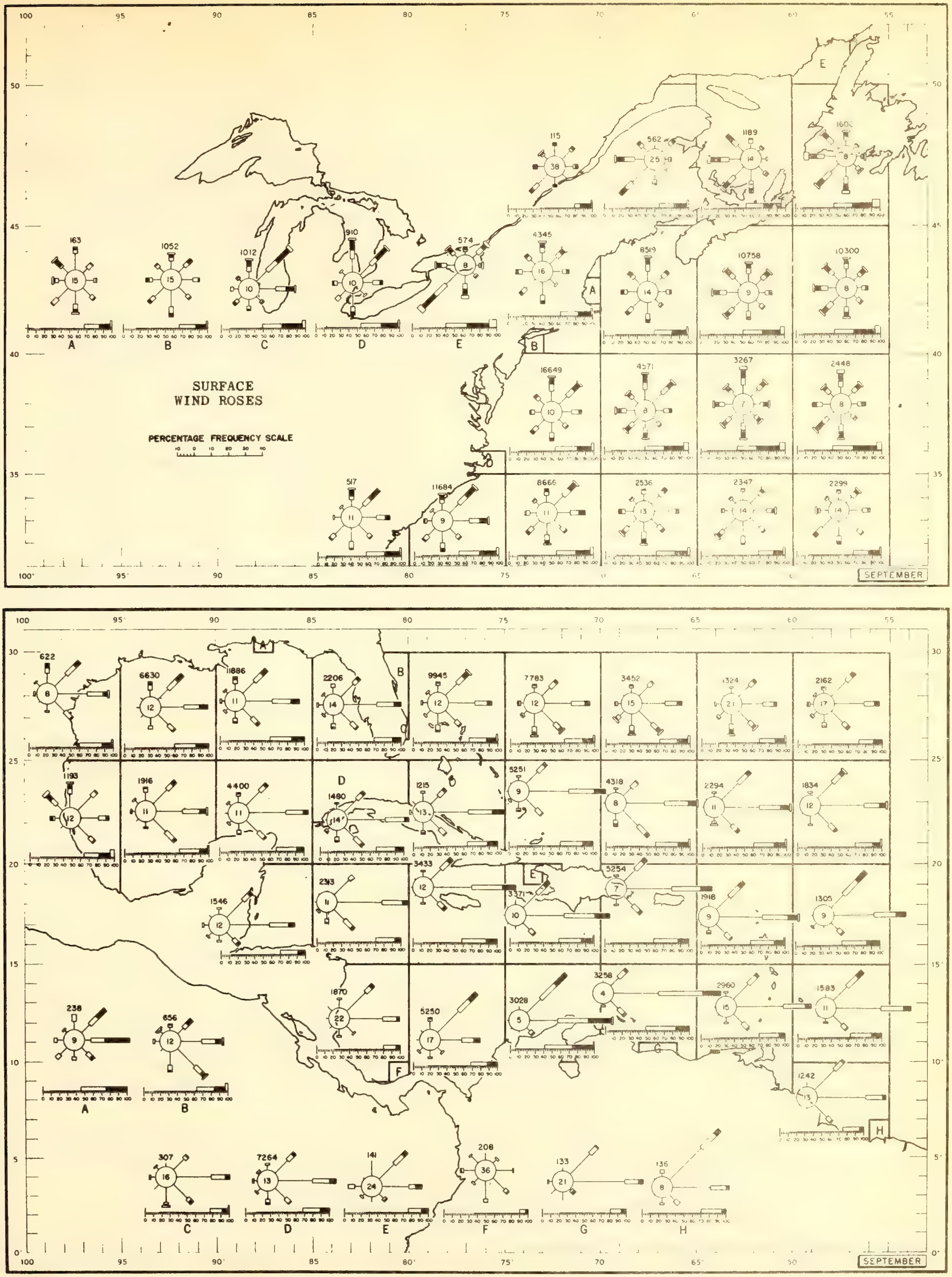


Figure I-13.-- Surface wind roses, western North Atlantic, by month: September.

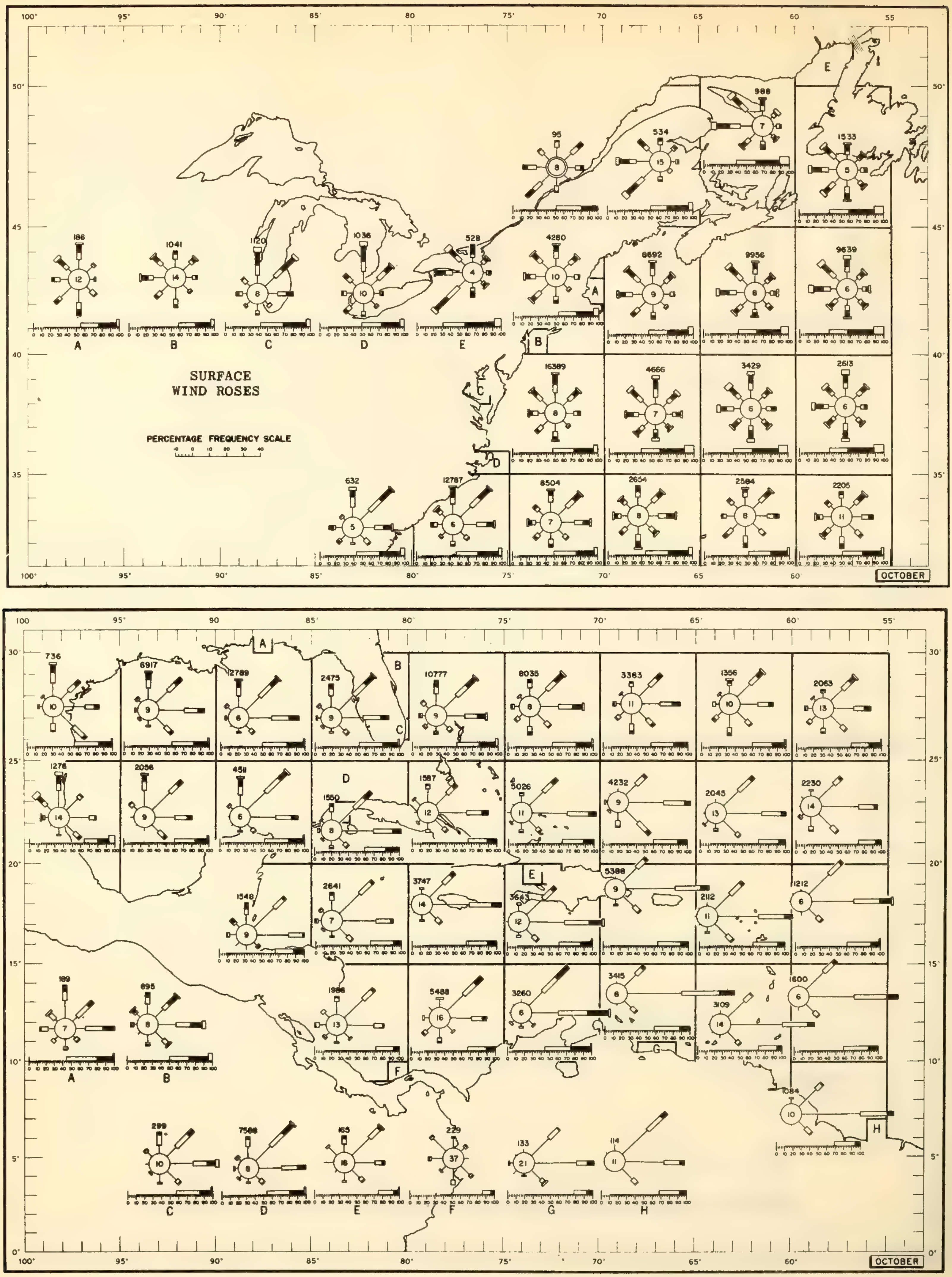


Figure I-14.-- Surface wind roses, western North Atlantic, by month: October.

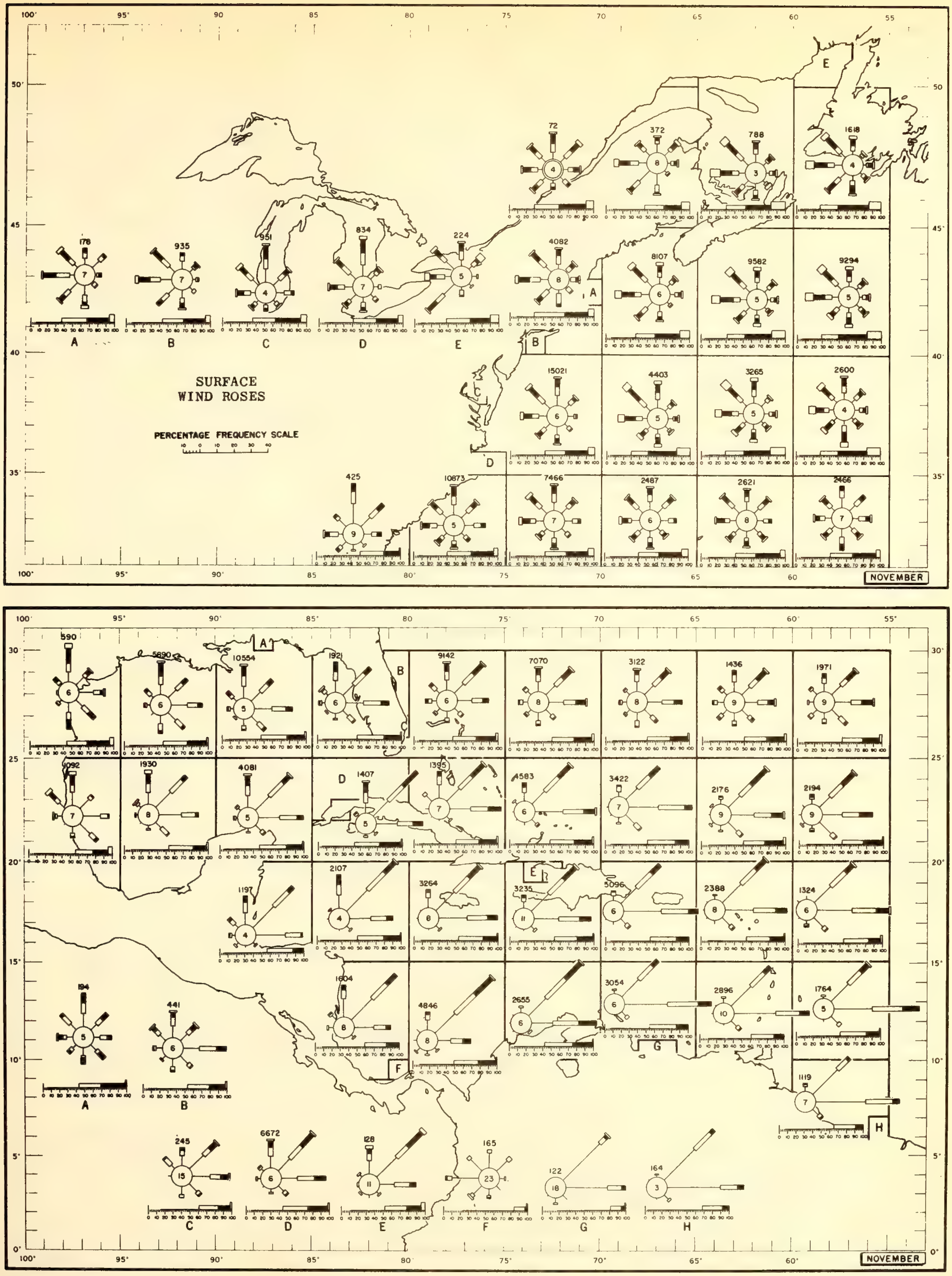


Figure I-15.-- Surface wind roses, western North Atlantic, by month: November.

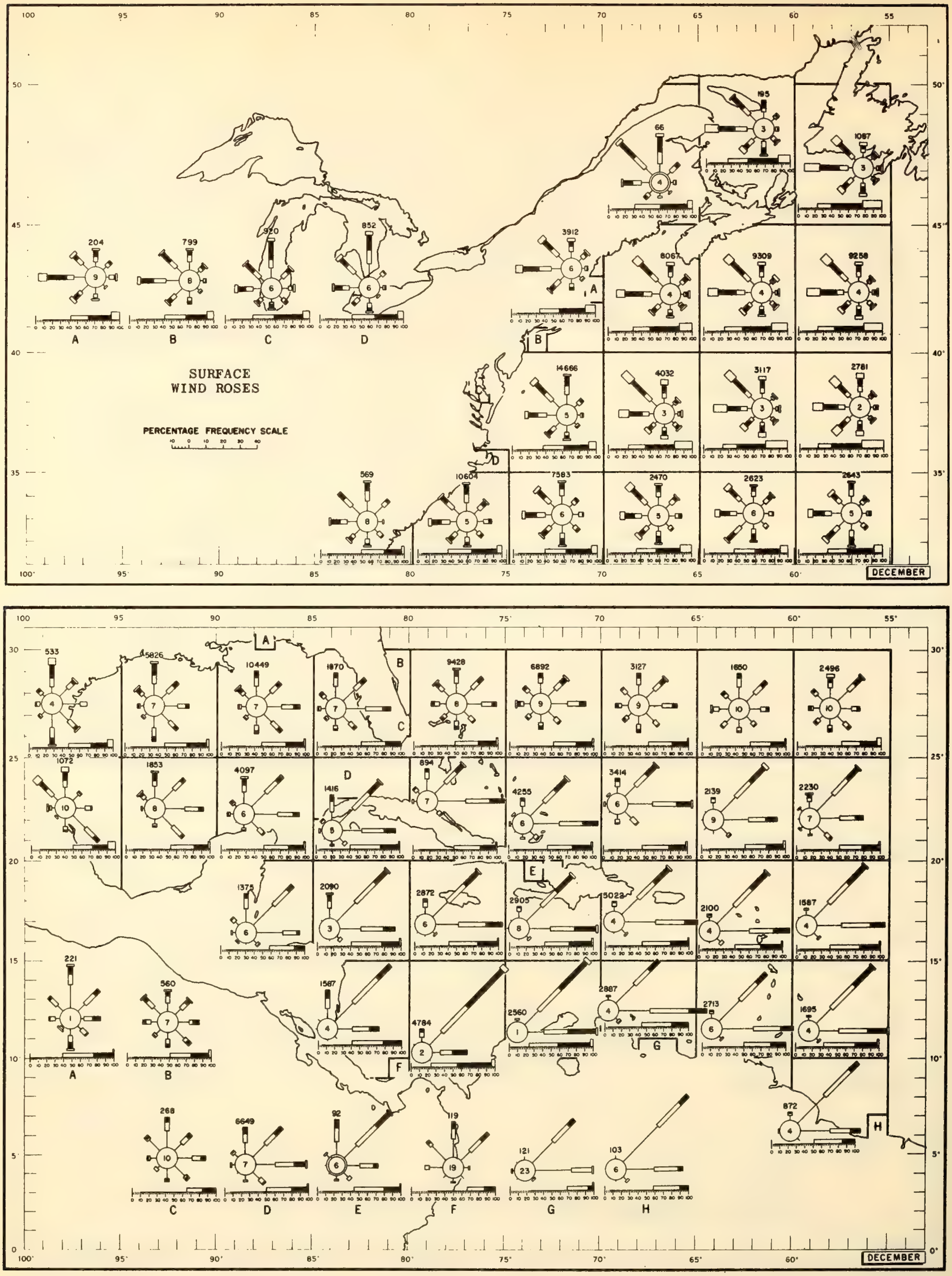


Figure I-16.-- Surface wind roses, western North Atlantic, by month: December.

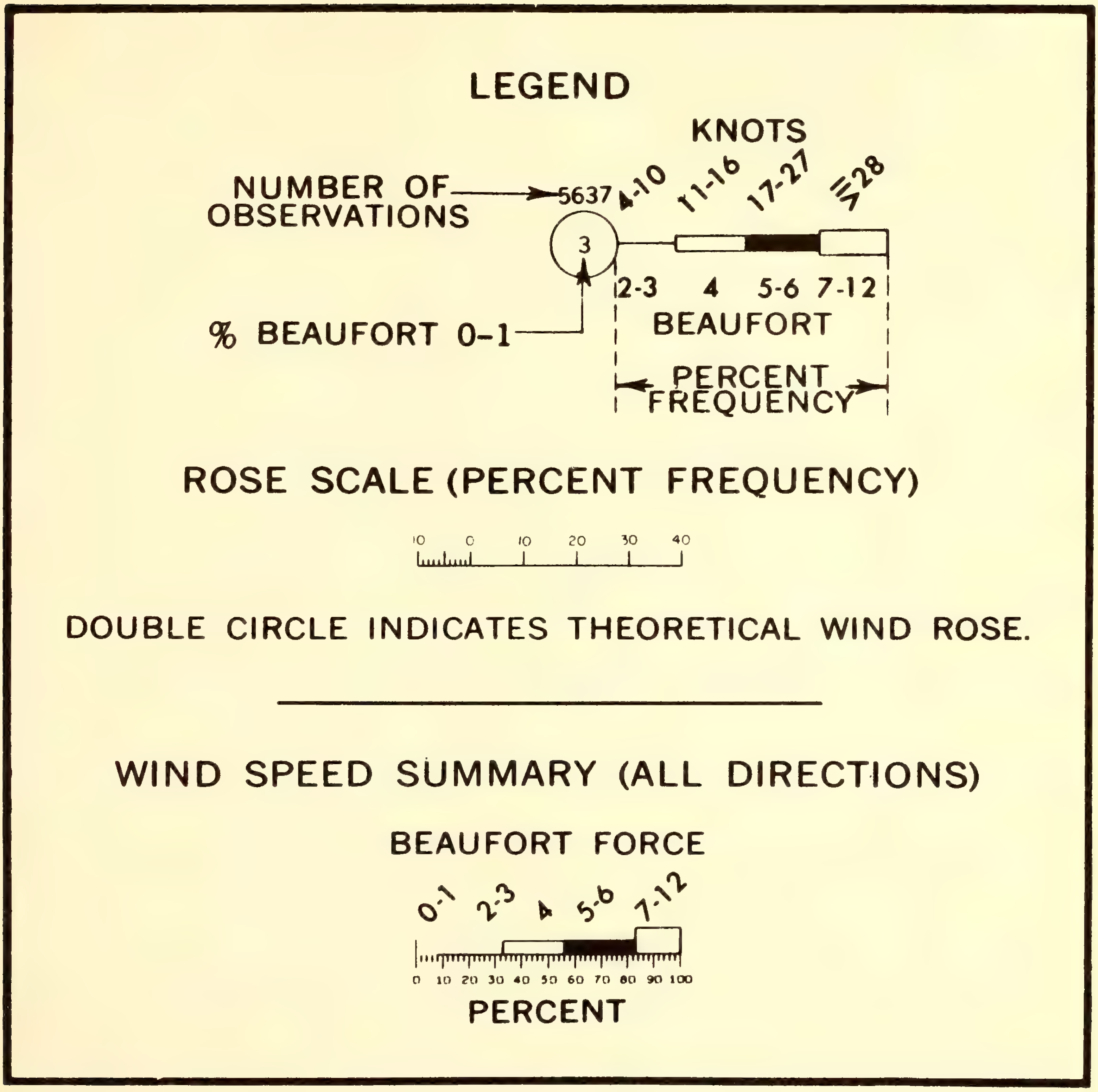


Figure I-17.-- Legend for eastern North Pacific Ocean surface wind roses.

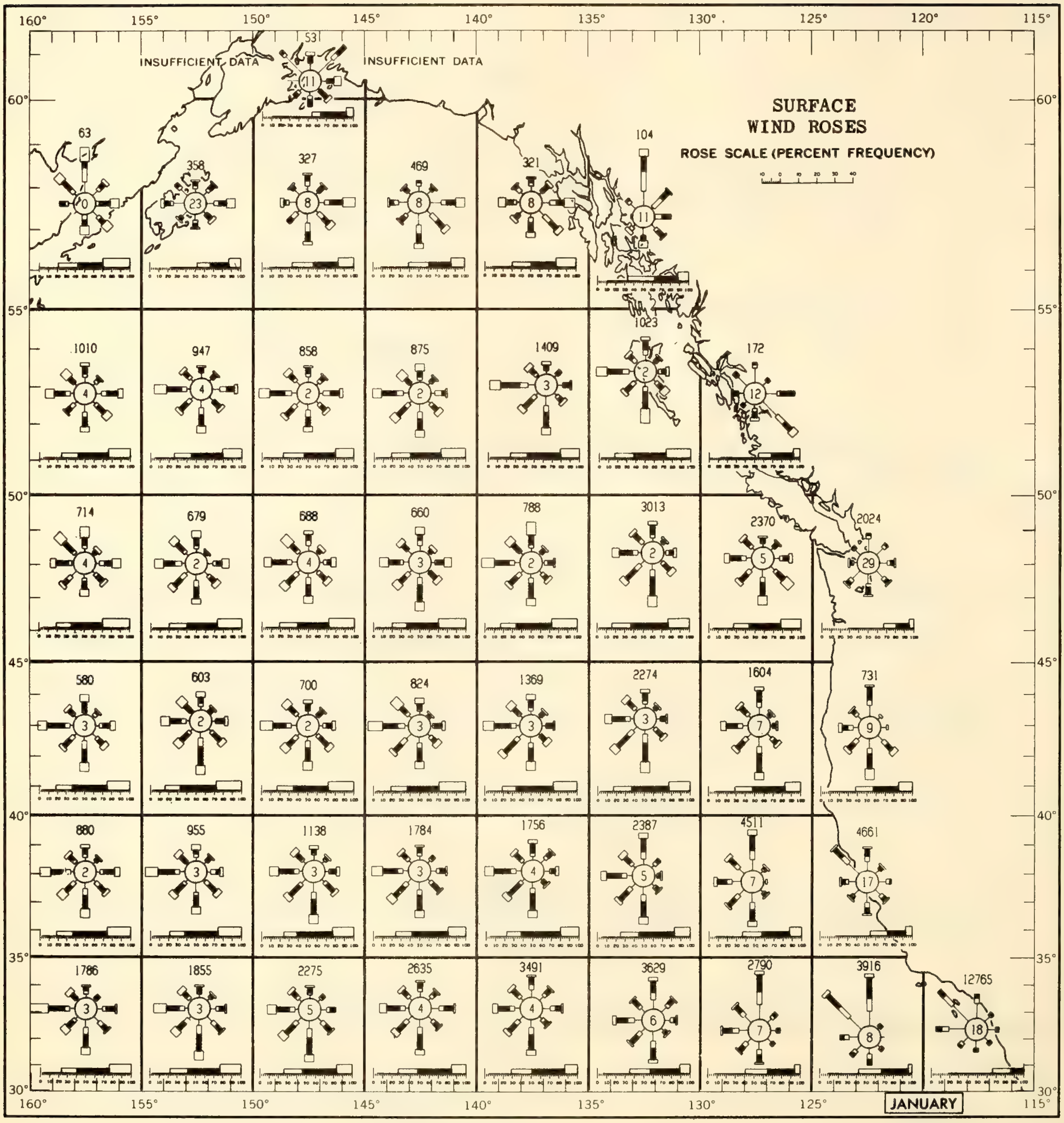


Figure I-18.-- Surface wind roses, eastern North Pacific, by month: January.

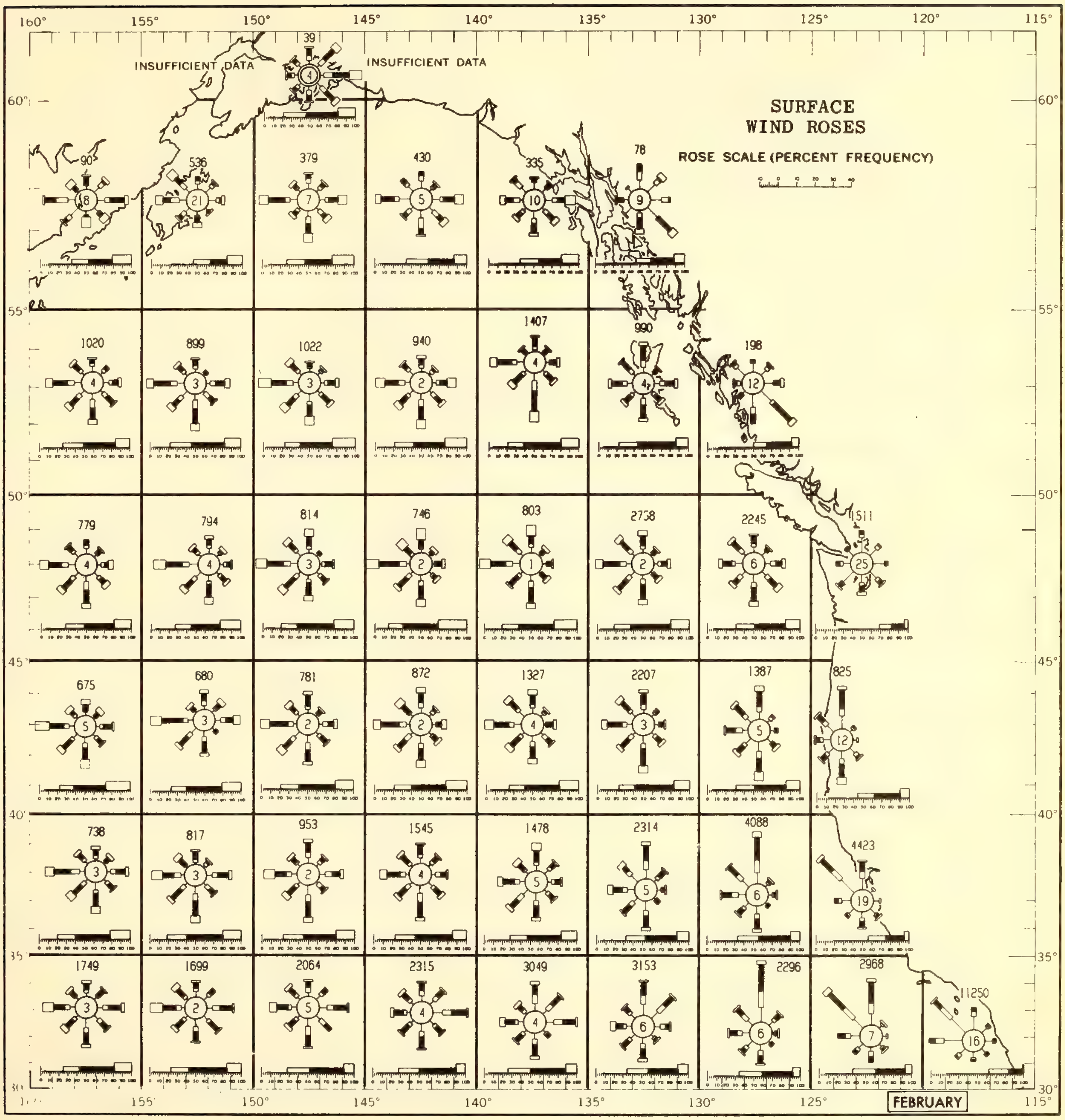


Figure I-19.-- Surface wind roses, eastern North Pacific, by month: February.

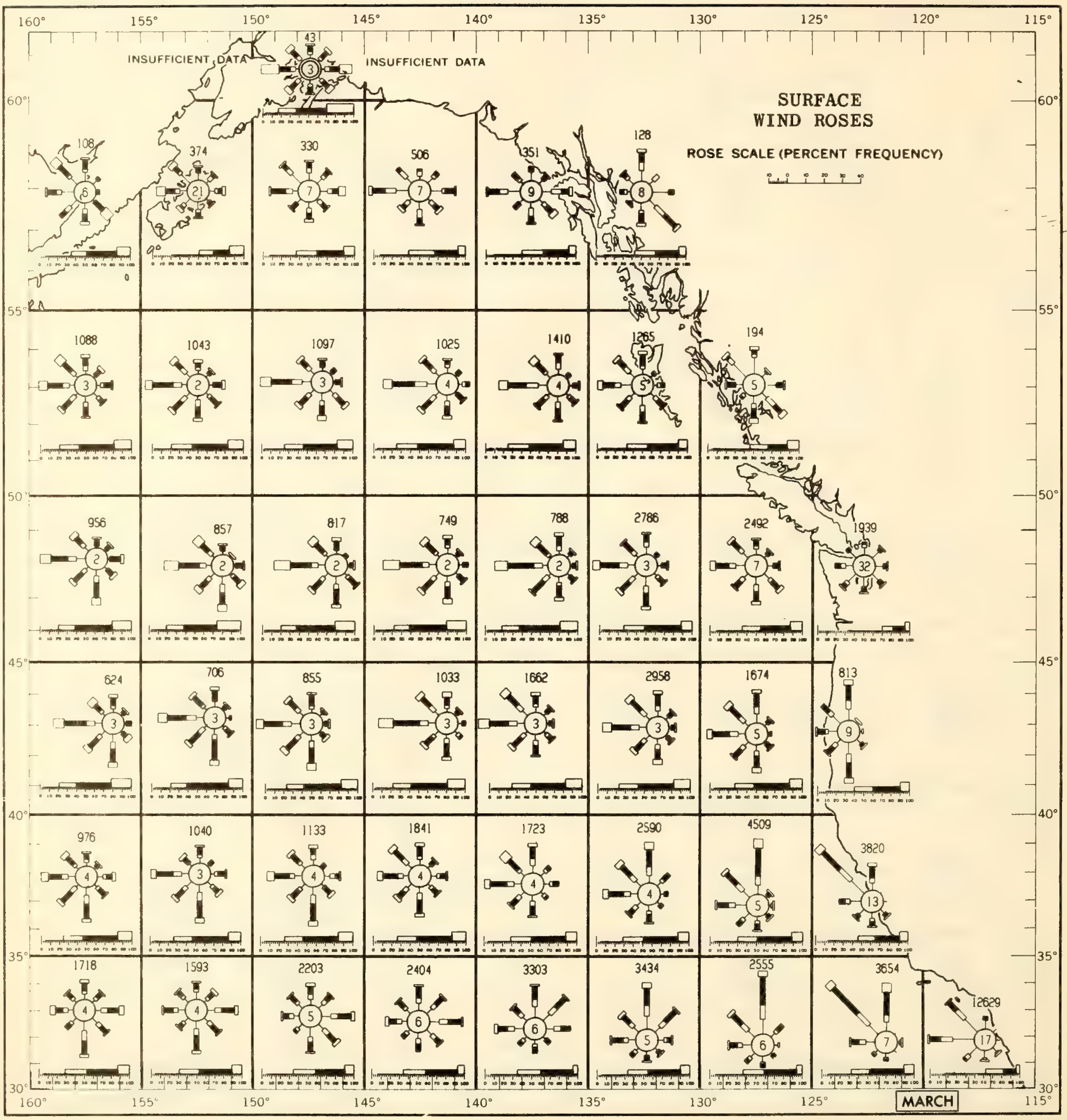


Figure I-20.-- Surface wind roses, eastern North Pacific, by month: March.

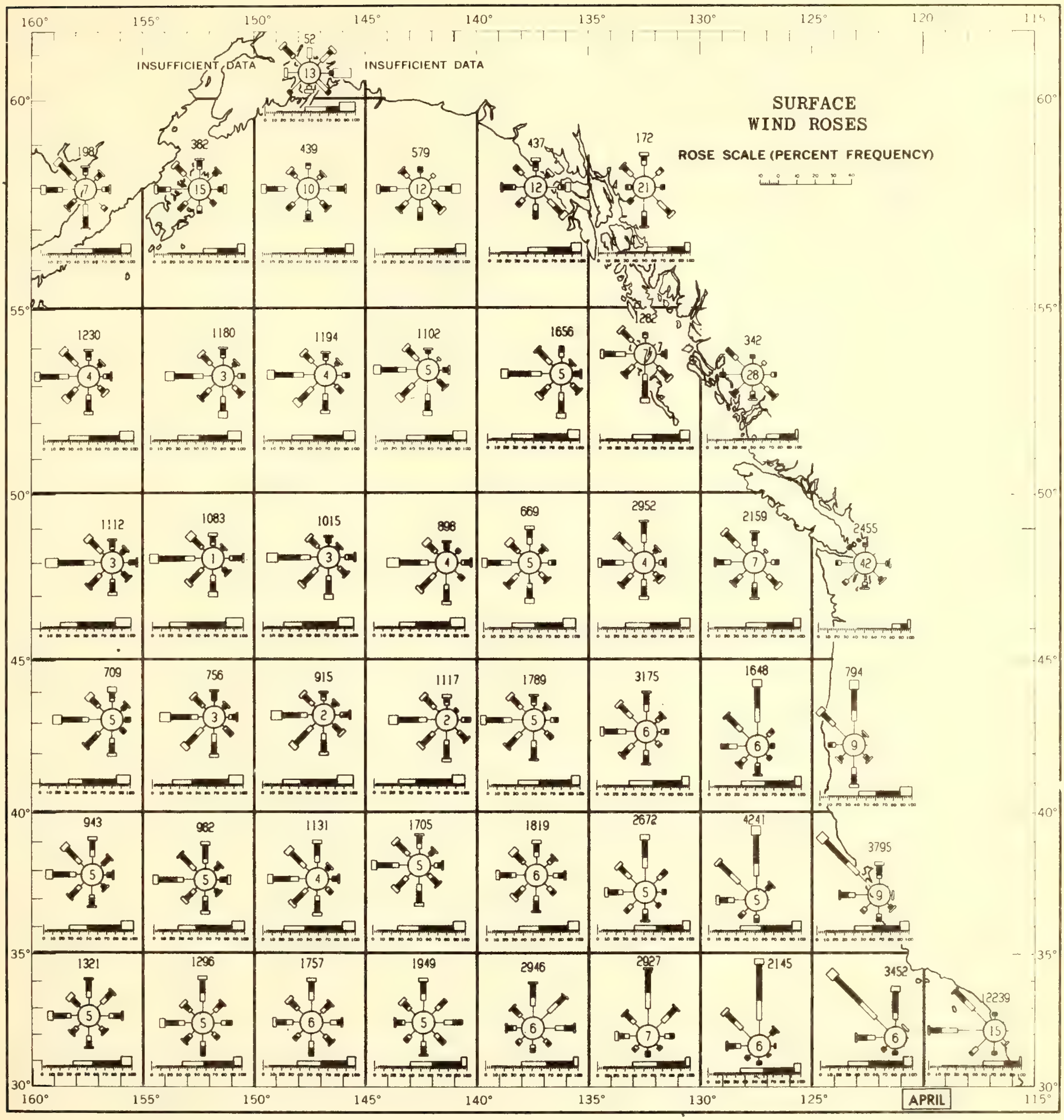


Figure I-21.-- Surface wind roses, eastern North Pacific, by month: April.

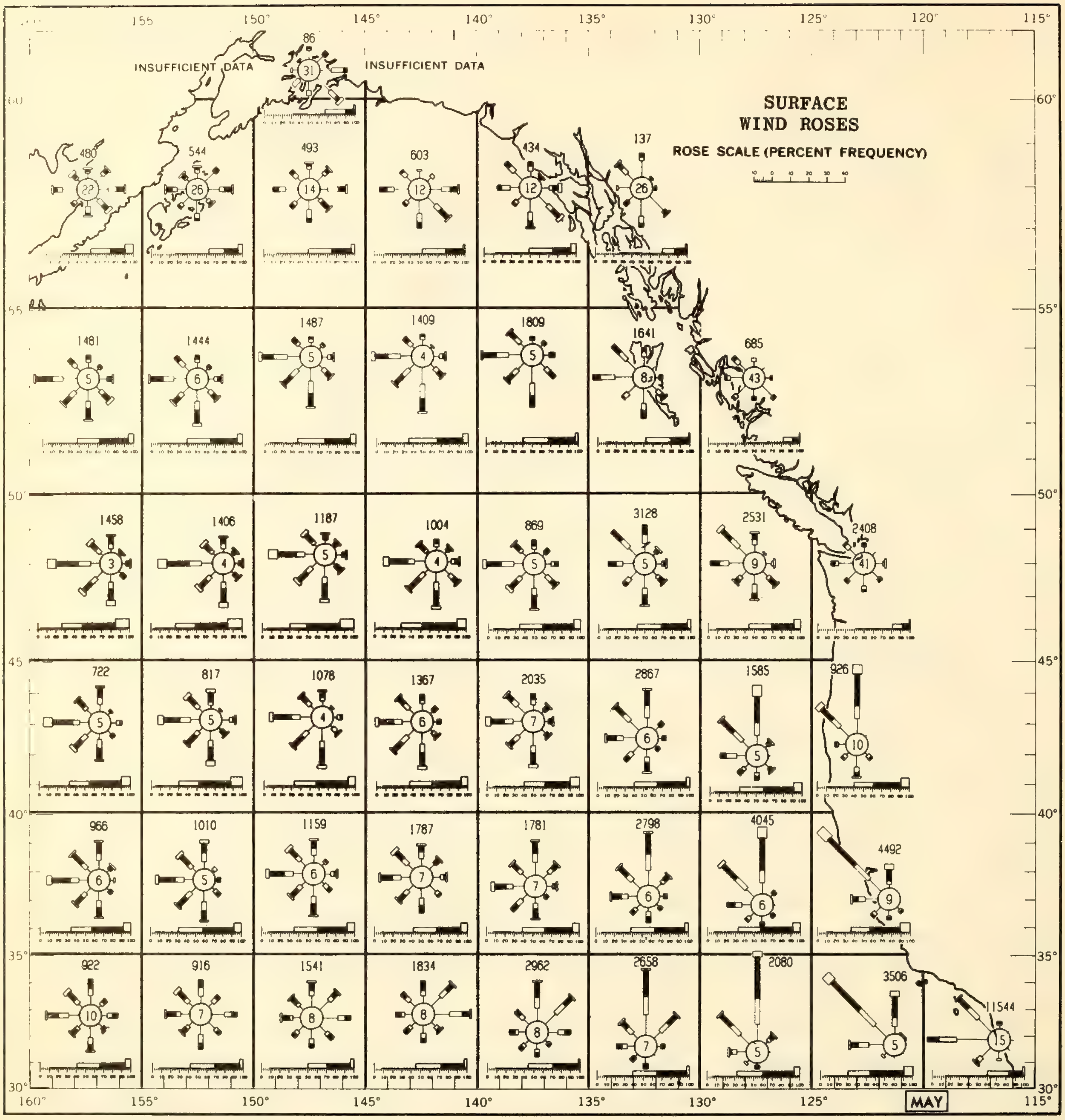


Figure I-22.-- Surface wind roses, eastern North Pacific, by month: May.

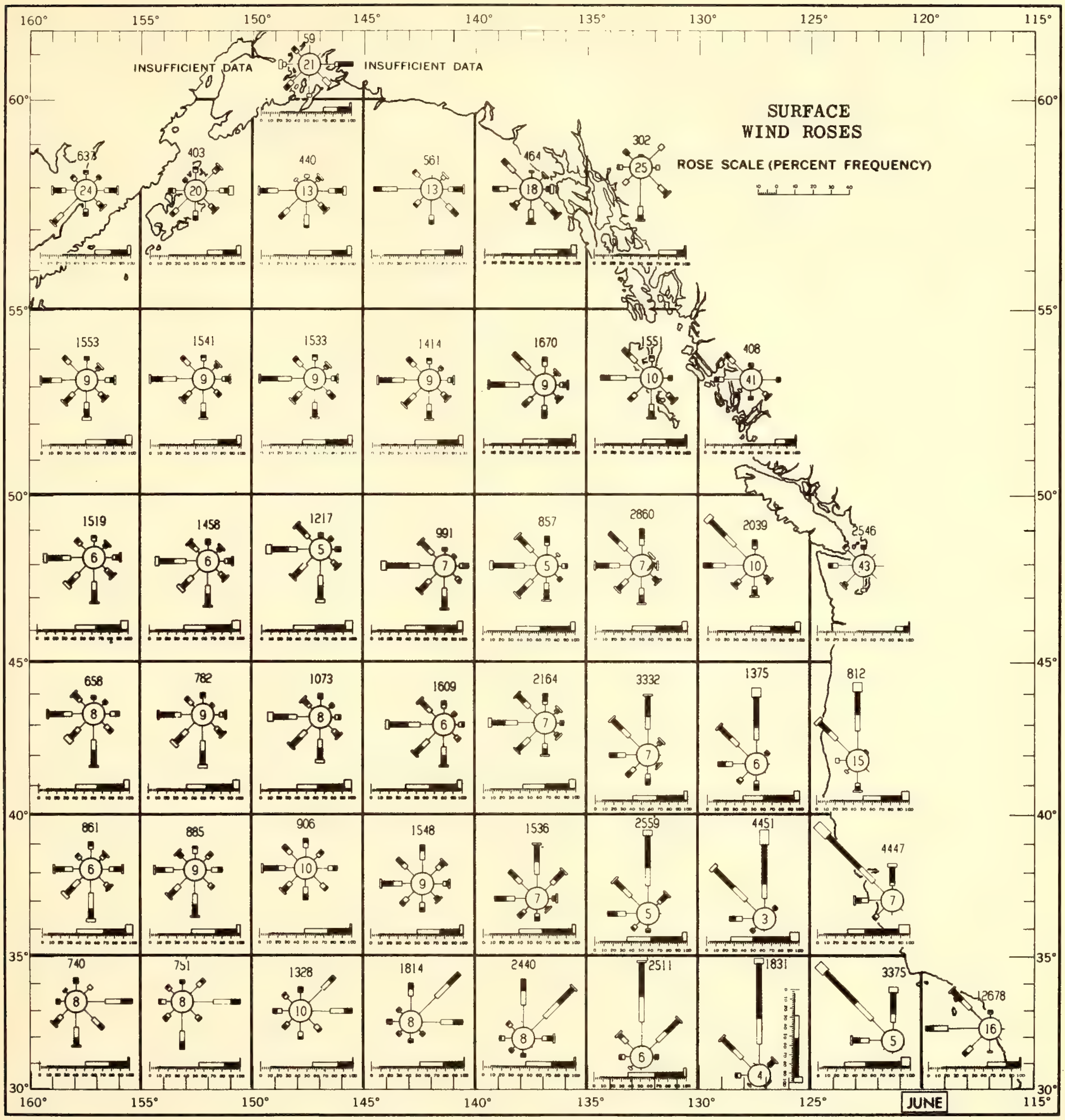


Figure I-23.-- Surface wind roses, eastern North Pacific, by month: June.

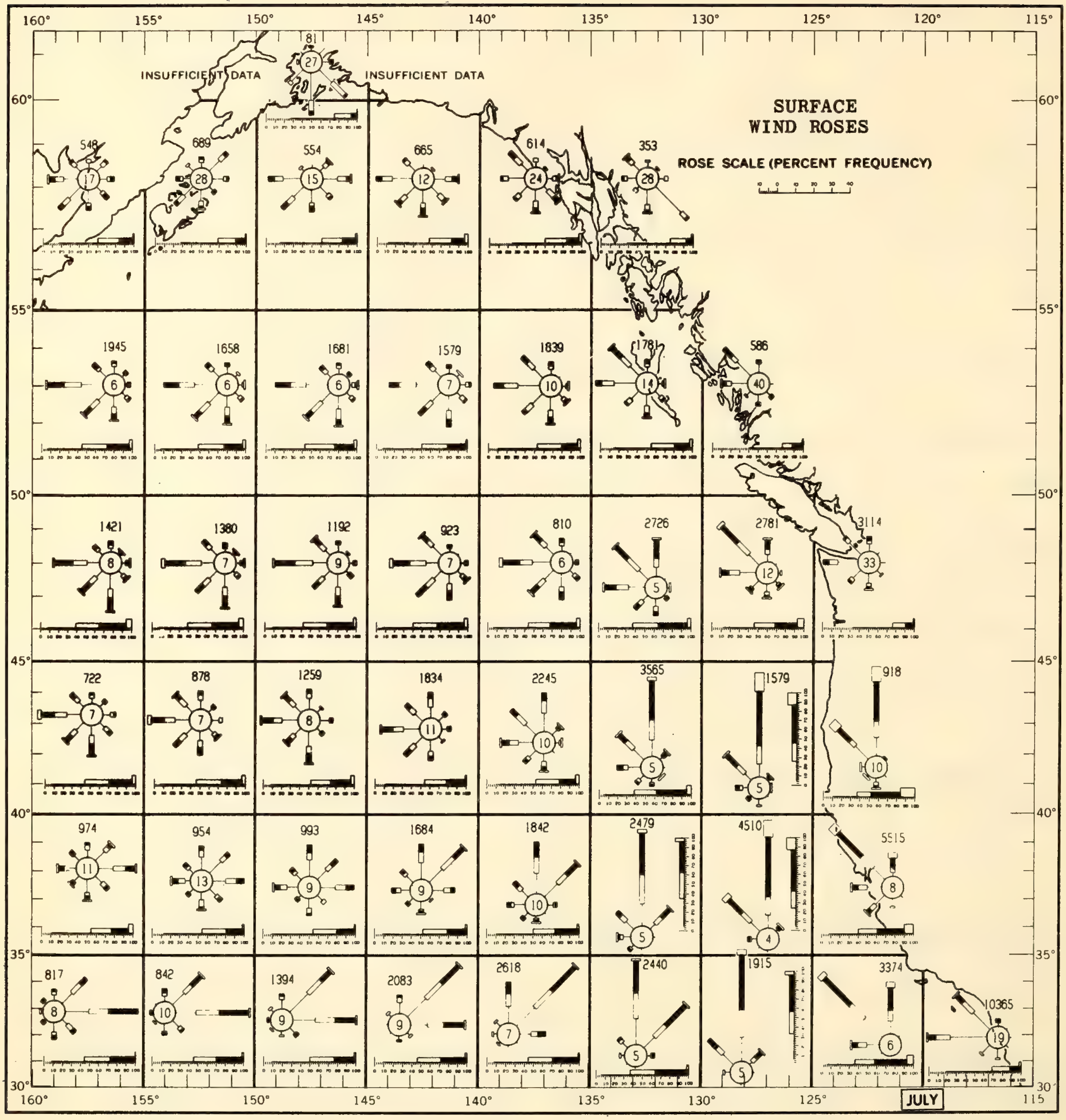


Figure I-24.-- Surface wind roses, eastern North Pacific, by month: July.

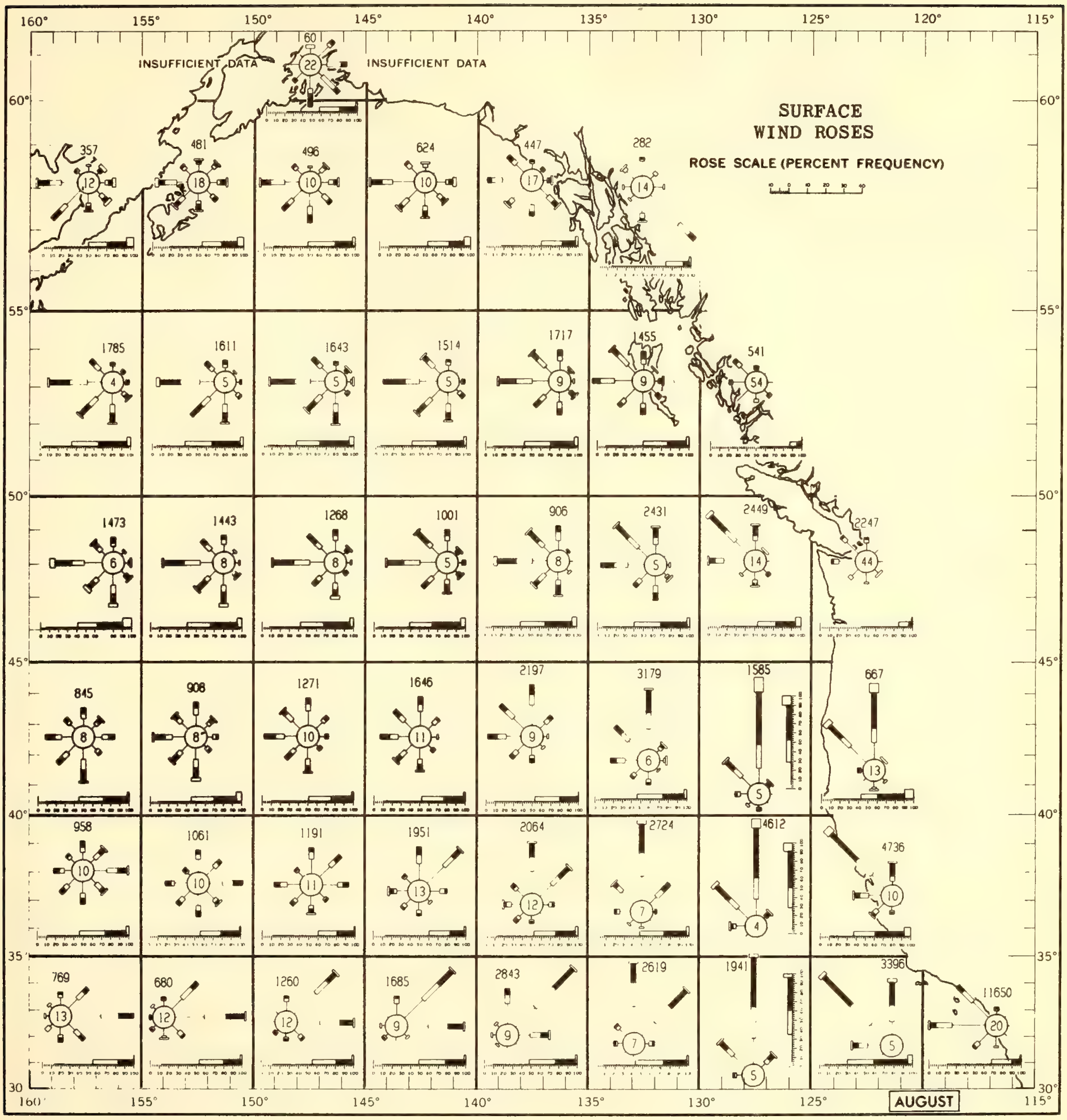


Figure I-25.-- Surface wind roses, eastern North Pacific, by month: August.

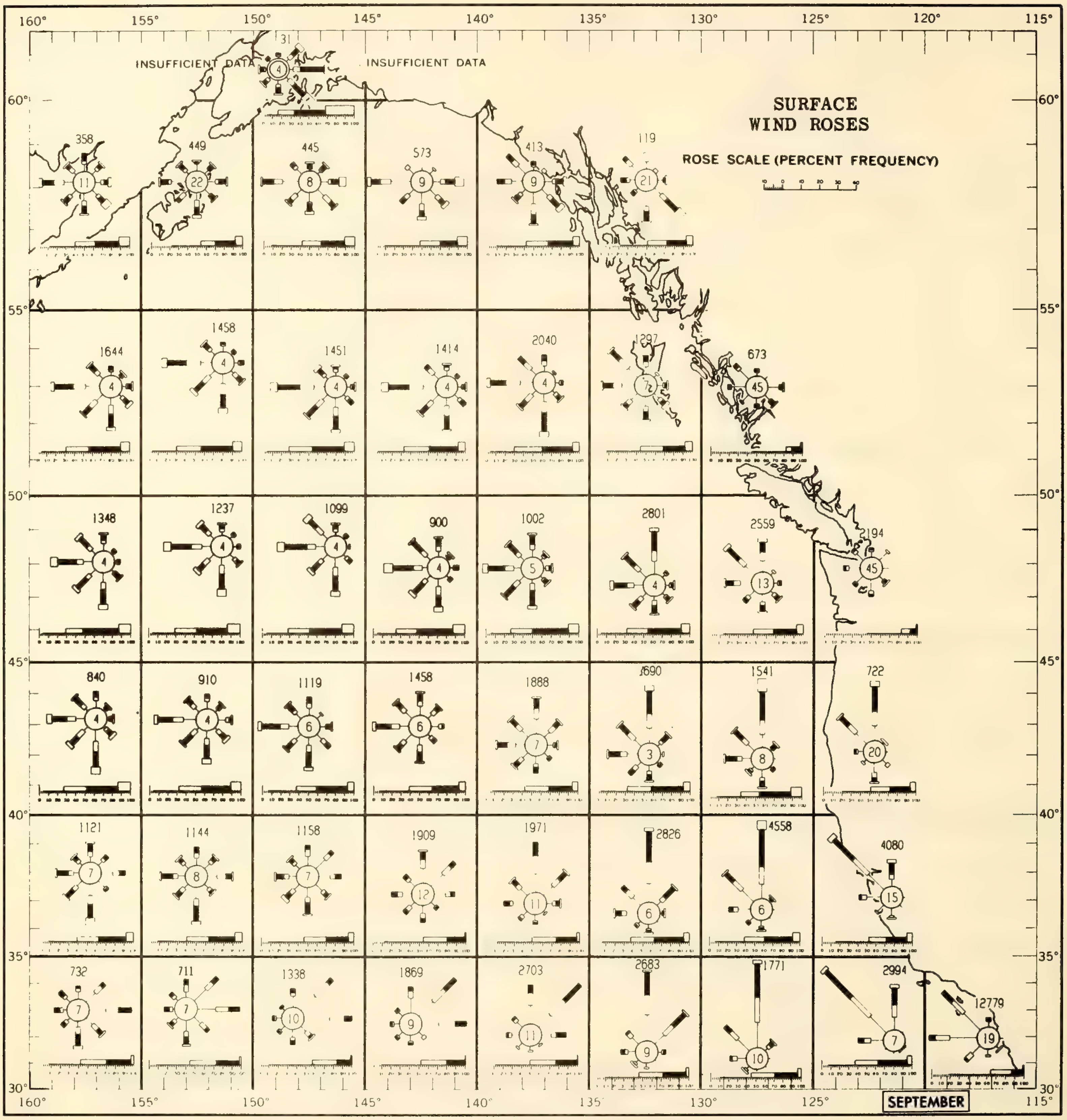


Figure I-26.-- Surface wind roses, eastern North Pacific, by month: September.

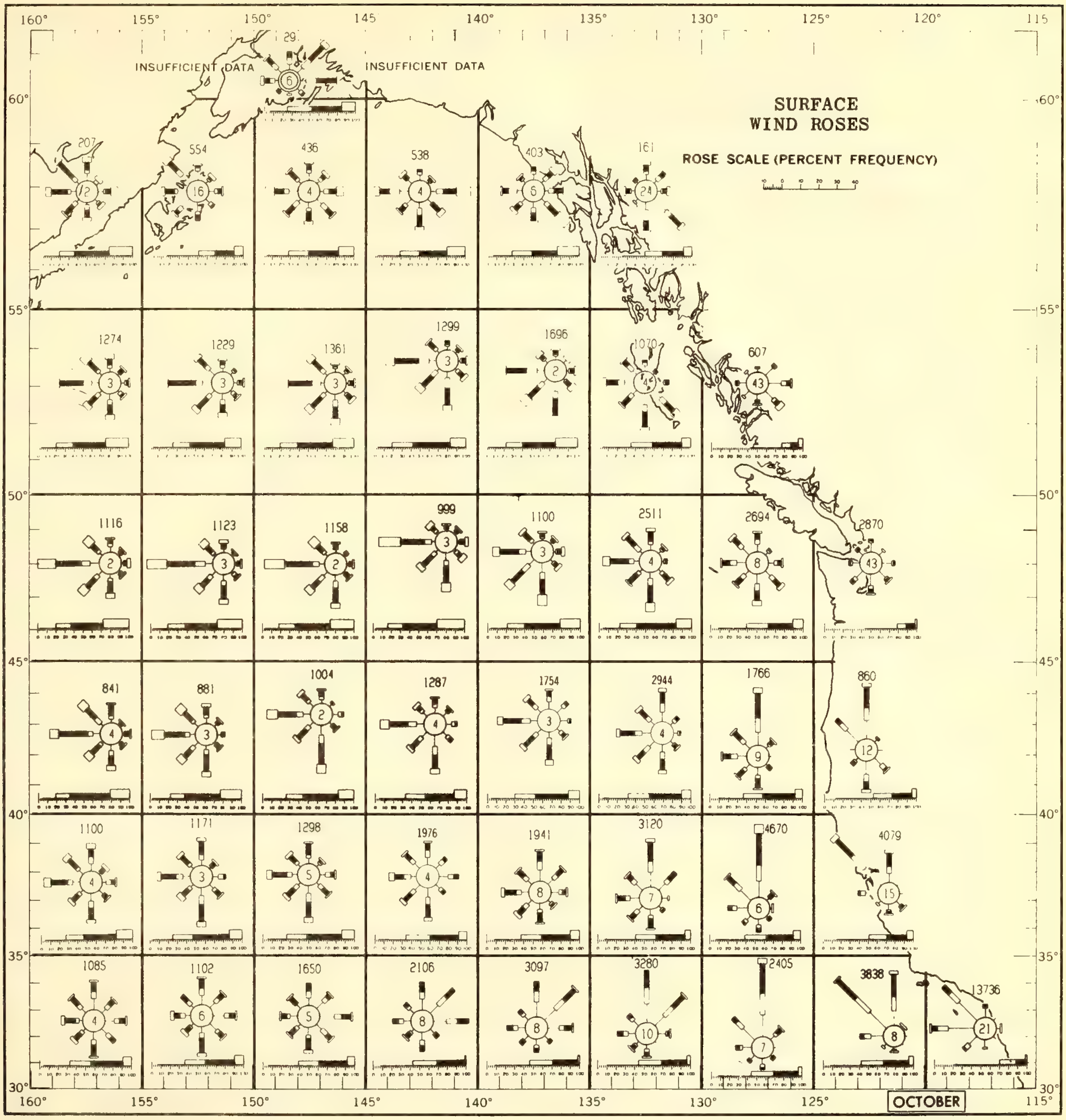


Figure I-27.-- Surface wind roses, eastern North Pacific, by month: October.

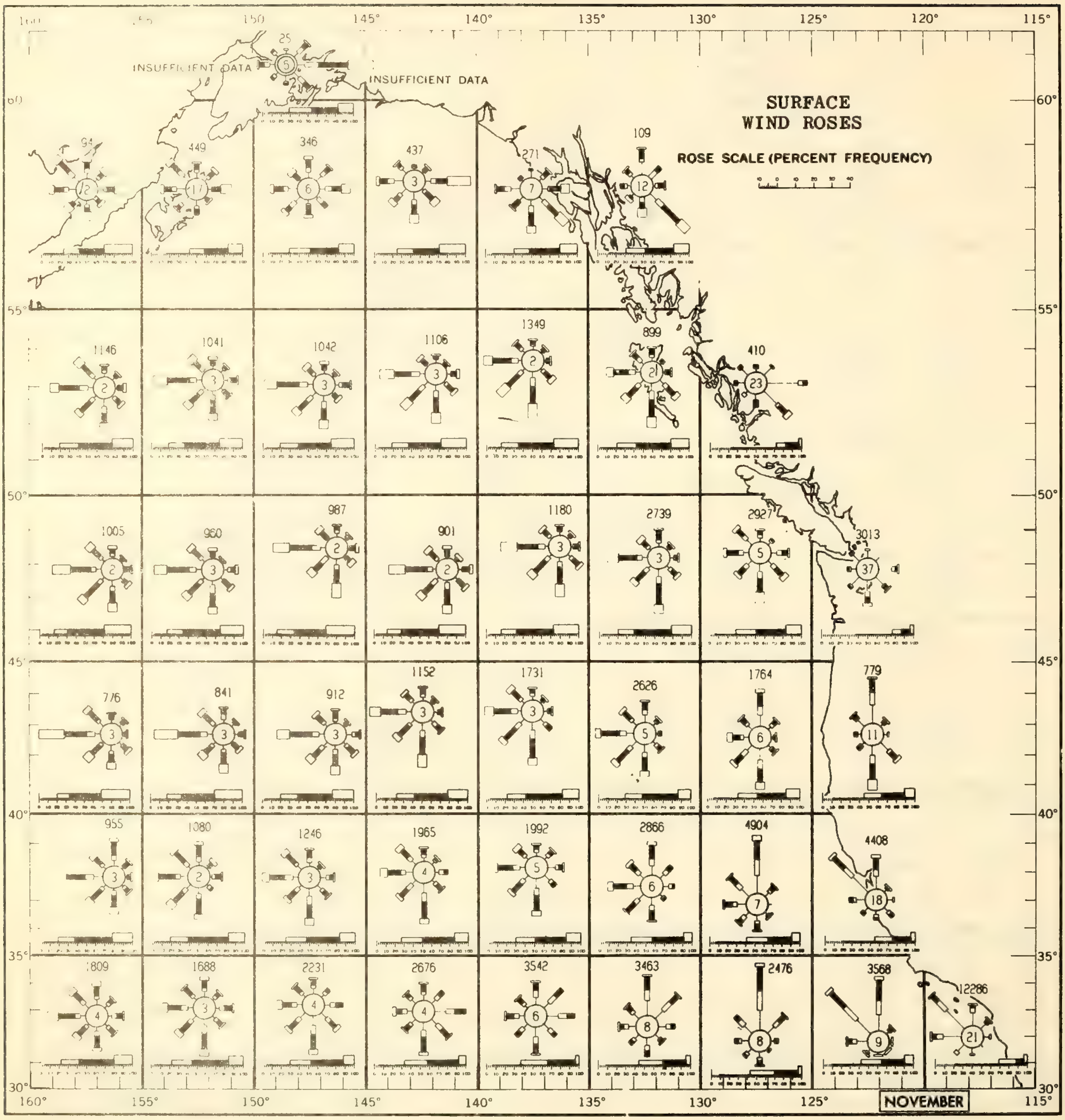


Figure I-28.-- Surface wind roses, eastern North Pacific, by month: November.

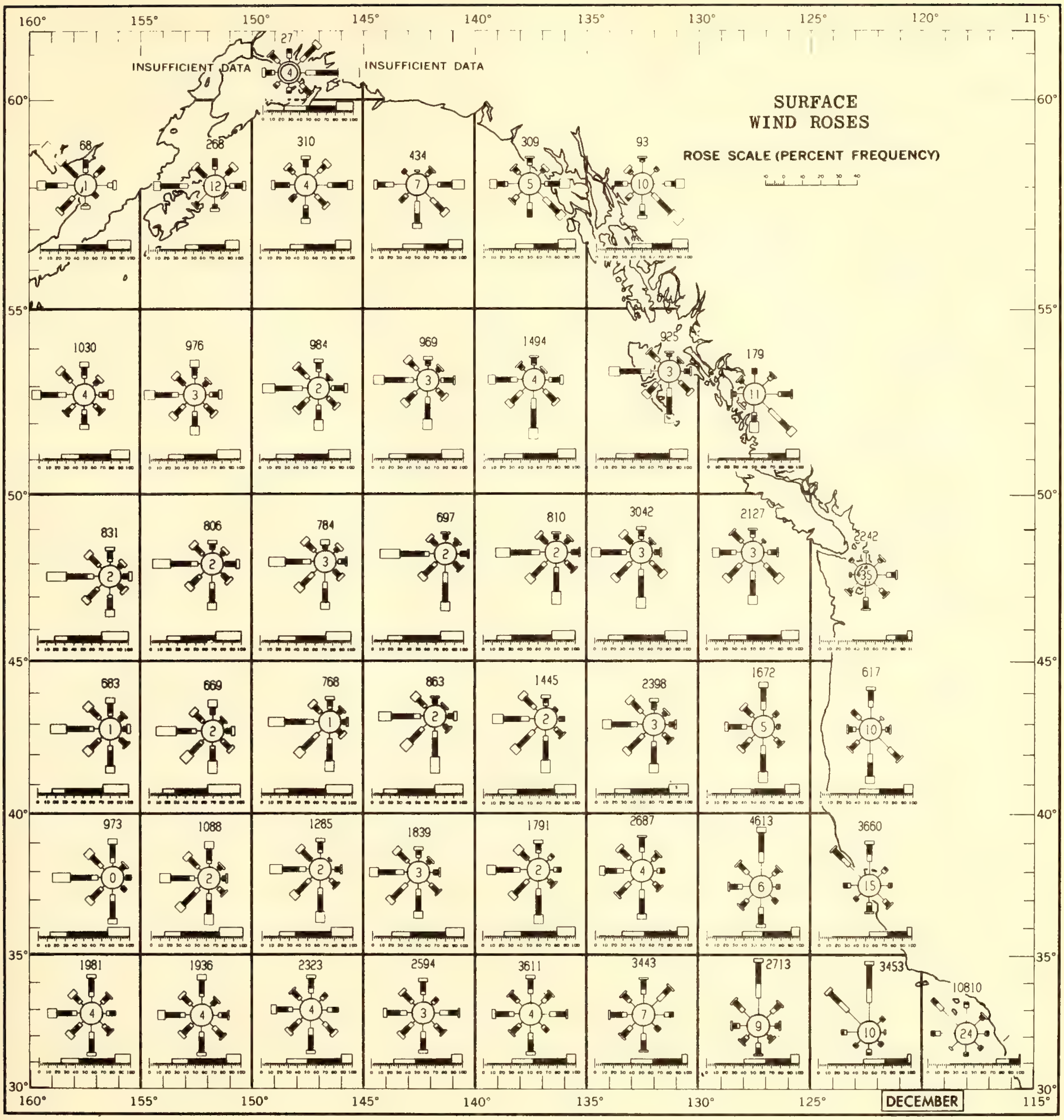


Figure I-29.-- Surface wind roses, eastern North Pacific, by month: December.

4. Sea and Swell Roses and Analyses

a. Western North Atlantic and Gulf of Mexico

(1) Sea
(2) Swell

b. Eastern North Pacific

(1) Sea
(2) Swell

It is evident to the most casual observer that the the waves on the ocean surface are created by the wind. In this publication the terms sea and swell describe the surface of the ocean. Sea refers to waves generated by local winds blowing over the water. These waves are generally short in period (the time required for two successive wave crests to pass a fixed point), closely approximate the direction of the generating wind when considered as a group, appear in combinations of various short-crested heights, and give the semblance of a rapidly changing irregular surface.

Swell refers to waves that have progressed beyond the influence of the generating winds. Swell waves are comparatively long in period, their crests are rounded and usually lower than sea waves, and they are more uniform in height and direction. The direction of swell is independent of the local wind direction but is essentially that of the parent waves when they departed from the generating area. Generally, sea and swell are present in an area at the same time, though on occasion one may obscure the other.

Even though the sea surface in reality consists of a spectral range of differing wave heights, by visual observation one usually is capable of estimating only a single wave height to describe sea, swell, or waves. Originally, wave heights were observed as the heights of the larger waves. Later the concept of "significant" height was introduced, i.e., the average height of the highest one-third of all waves present at a given time and place. It has been found that an observer's judgement is biased toward the higher waves, which tend to have about the same height as significant waves. Similarly, visual observation is capable only of estimating a predominant wave period and direction.

The sources of data used in the sea and swell roses here are the same as those for wind roses (section 3. above).

Again, the U.S. Navy publications and analyses, based on the U.S. Weather Bureau punch card decks, represent the most comprehensive summaries of wave data available anywhere for whole-ocean scales of the phenomena. The sea and swell roses that follow were taken directly from the Navy publications and reproduced without changes.

The punched card data were combined into sea and swell roses for subregions of various sizes in the Atlantic and Gulf of Mexico and into 5° squares in the Pacific. Of particular importance in delineating these subregions was the relative uniformity of conditions within the subregion and the number of available observations. The roses give the relative frequencies of selected sea or swell height categories by direction, while the bar graph associated with each rose gives the total relative frequencies for each height category.

The percent of time that sea and swell of selected height categories can be expected to occur is presented by means of isolines and roses for the midmonth of each season for the western North Atlantic and Gulf of Mexico. For the eastern North Pacific only the sea and swell roses are presented and these are also for the midmonth of each season.

The isolines in these figures are based on tabulations by 2-degree squares of the entire volume of punched card observations available at the NOAA/National Climatic Center, Asheville, N.C., and the U.S. Naval Oceanographic Office as of 1958. Since the observation code was changed in 1949, very little has been added to these tabulations in observations taken after that time. Additional observations of sea and swell not included in the punch card decks were obtained from the deck logs or reports of numerous ships operating in the ocean areas of interest. The number of observations of sea and swell waves varies from less than 100 in the least travelled waters of the ocean, to as great as 8,000 observations in the most frequently traveled ship routes. In general, there are 200 to 400 observations per 2° square.

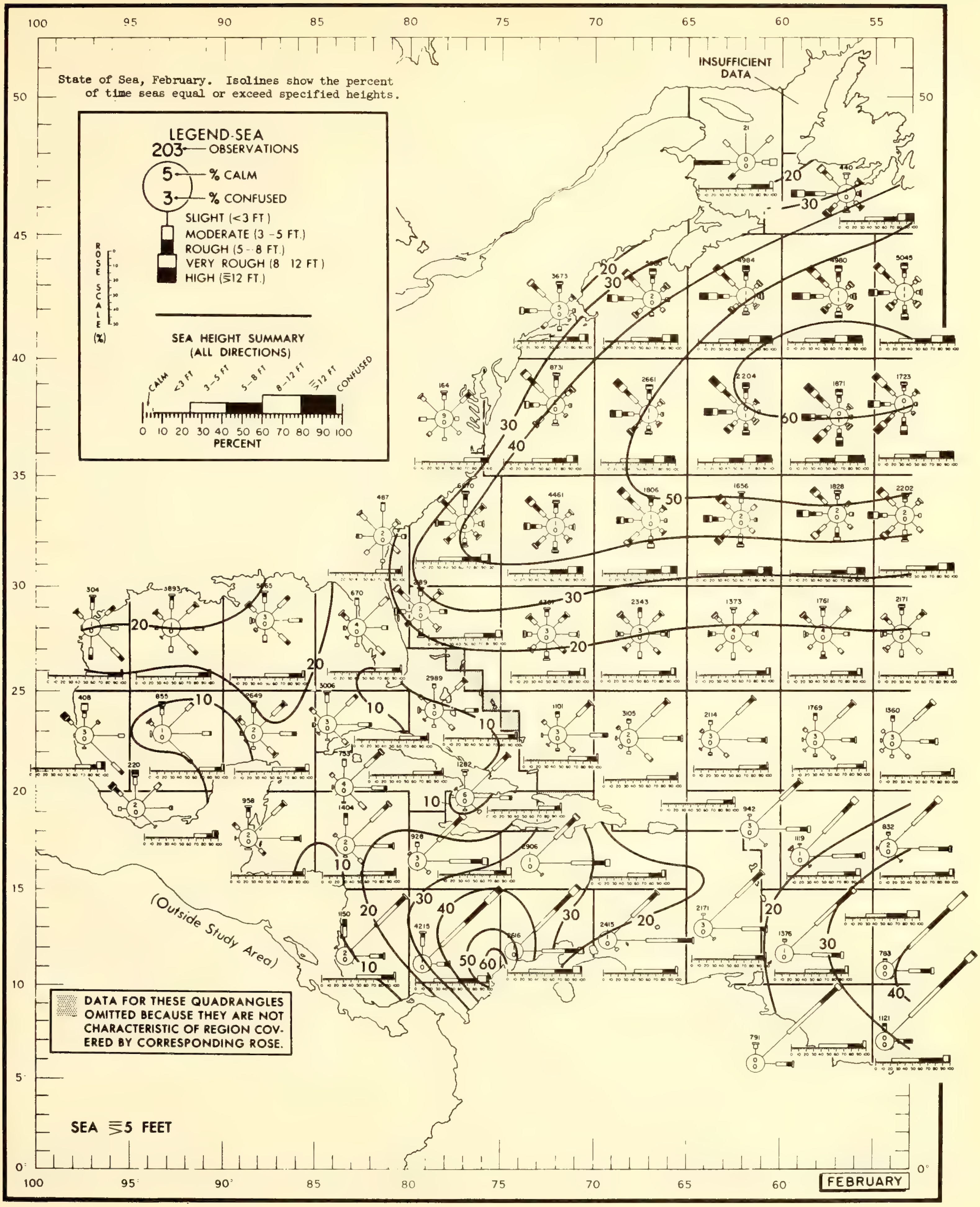


Figure I-30.--Sea roses, western North Atlantic, by midseason months: February.

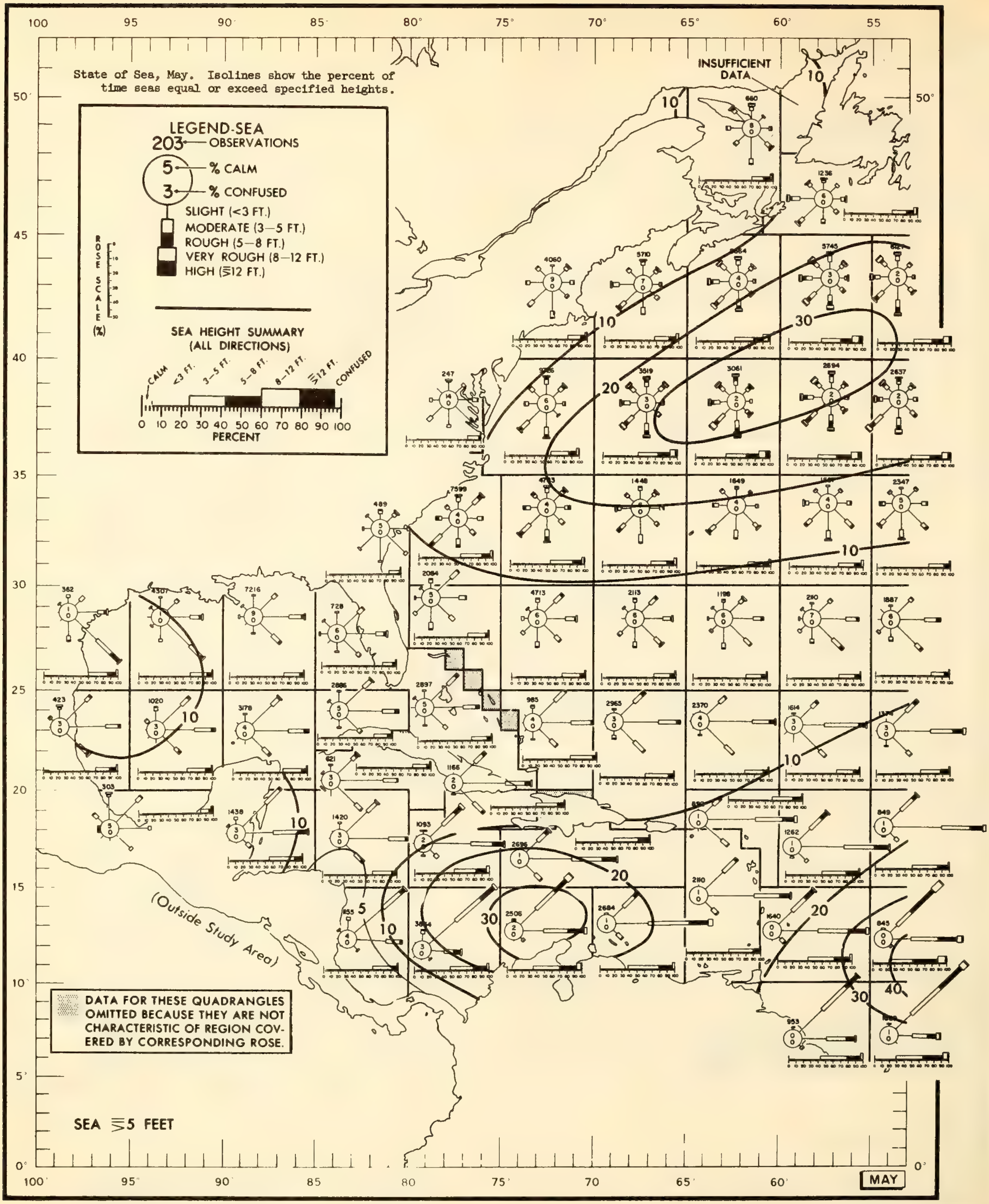


Figure I-31.--Sea roses, western North Atlantic, by midseason months: May.

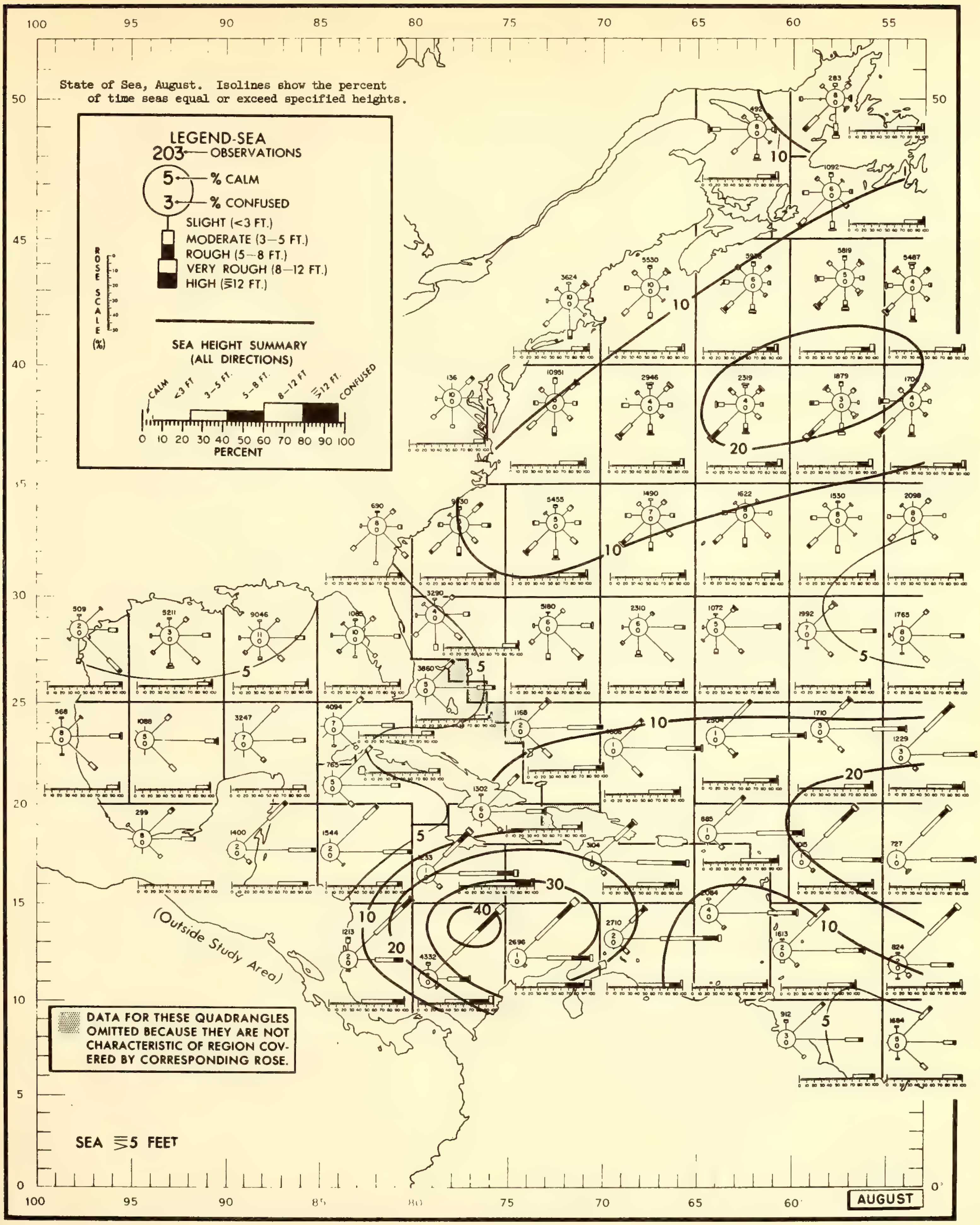


Figure I-32.--Sea roses, western North Atlantic, by midseason months: August.

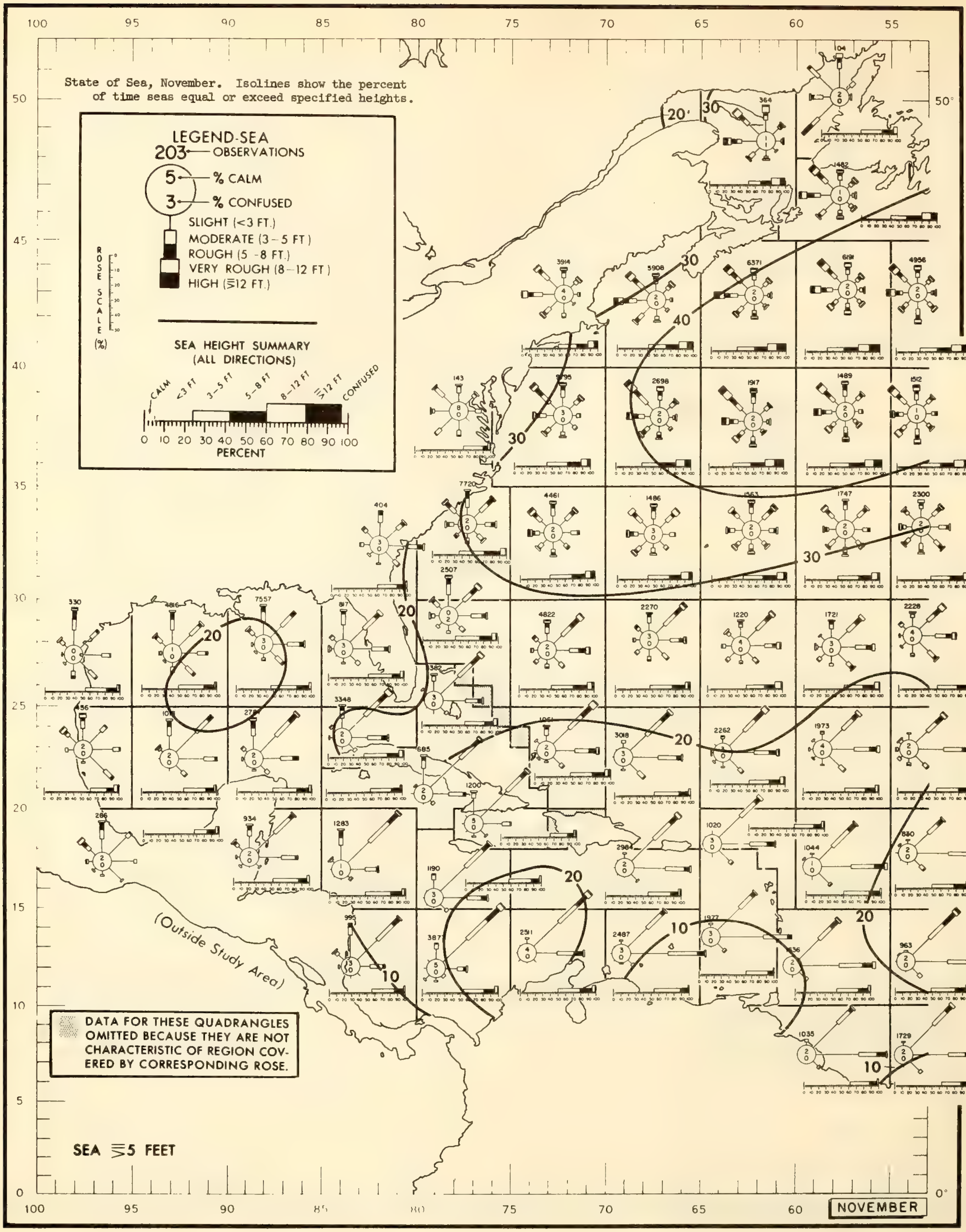


Figure I-33.--Sea roses, western North Atlantic, by midseason months: November.

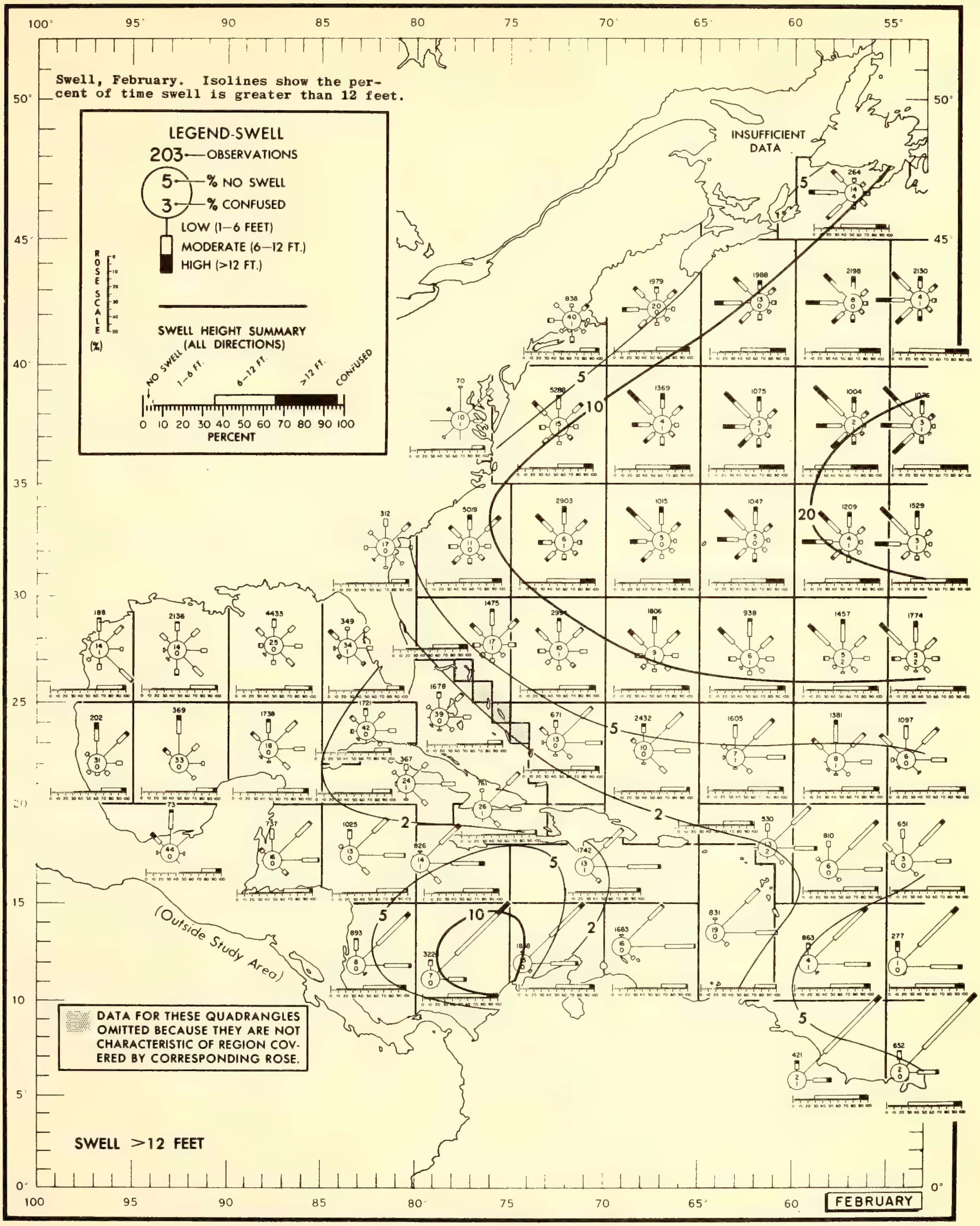


Figure I-34.--Swell roses, western North Atlantic, by midseason months: February.

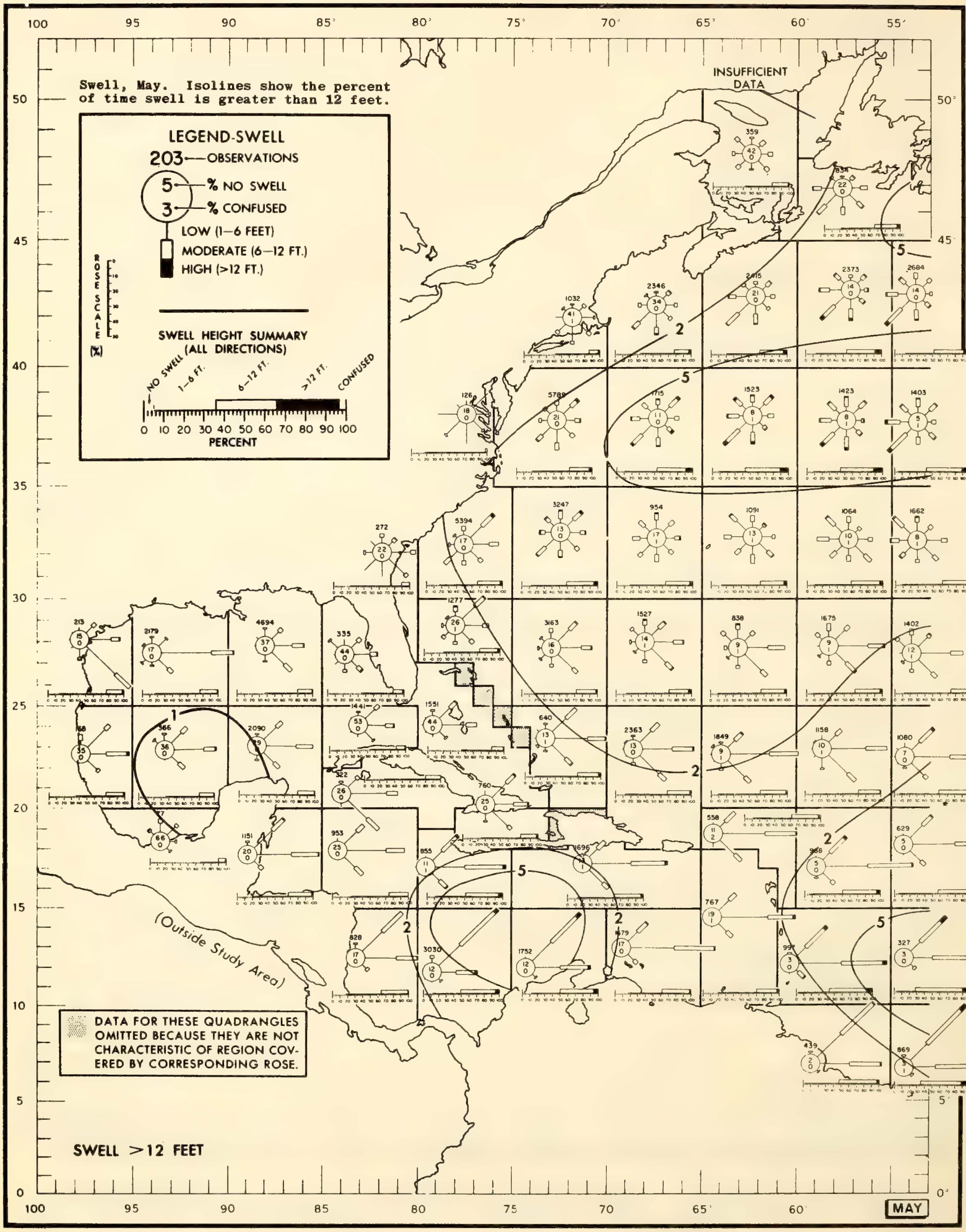


Figure I-35.--Swell roses, western North Atlantic, by midseason months: May.

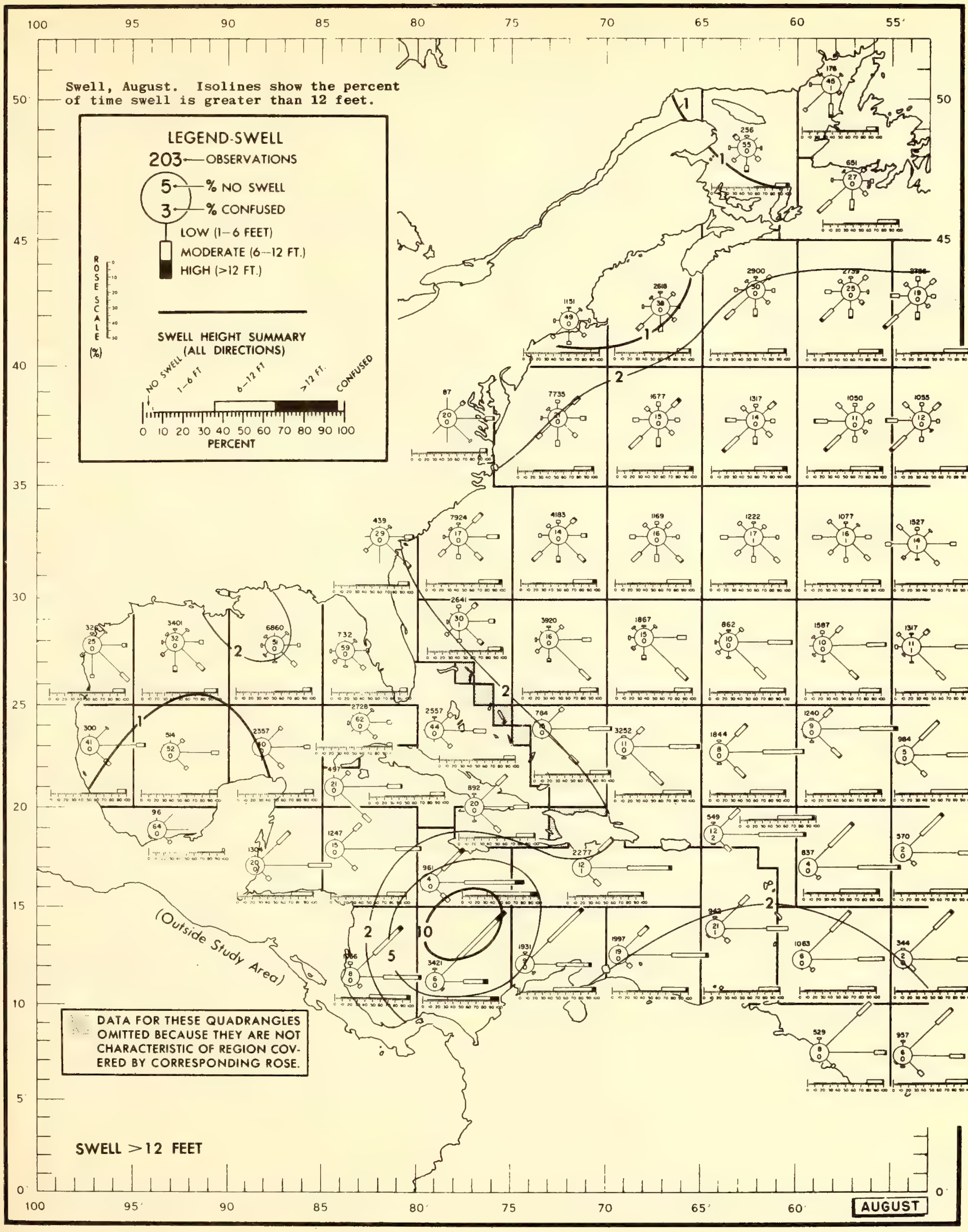


Figure I-36.--Swell roses, western North Atlantic, by midseason months: August.

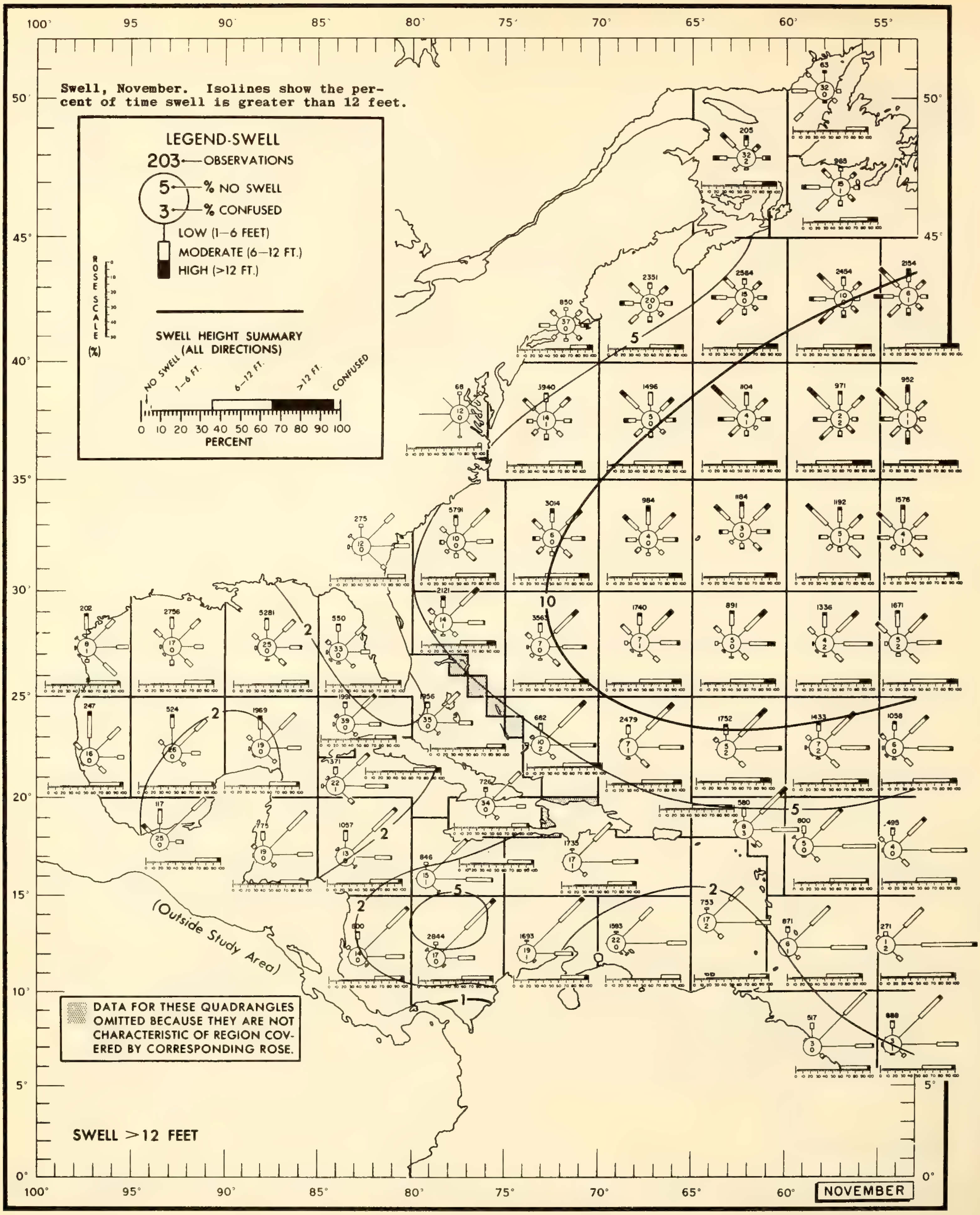


Figure I-37.--Swell roses, western North Atlantic, by midseason months: November.

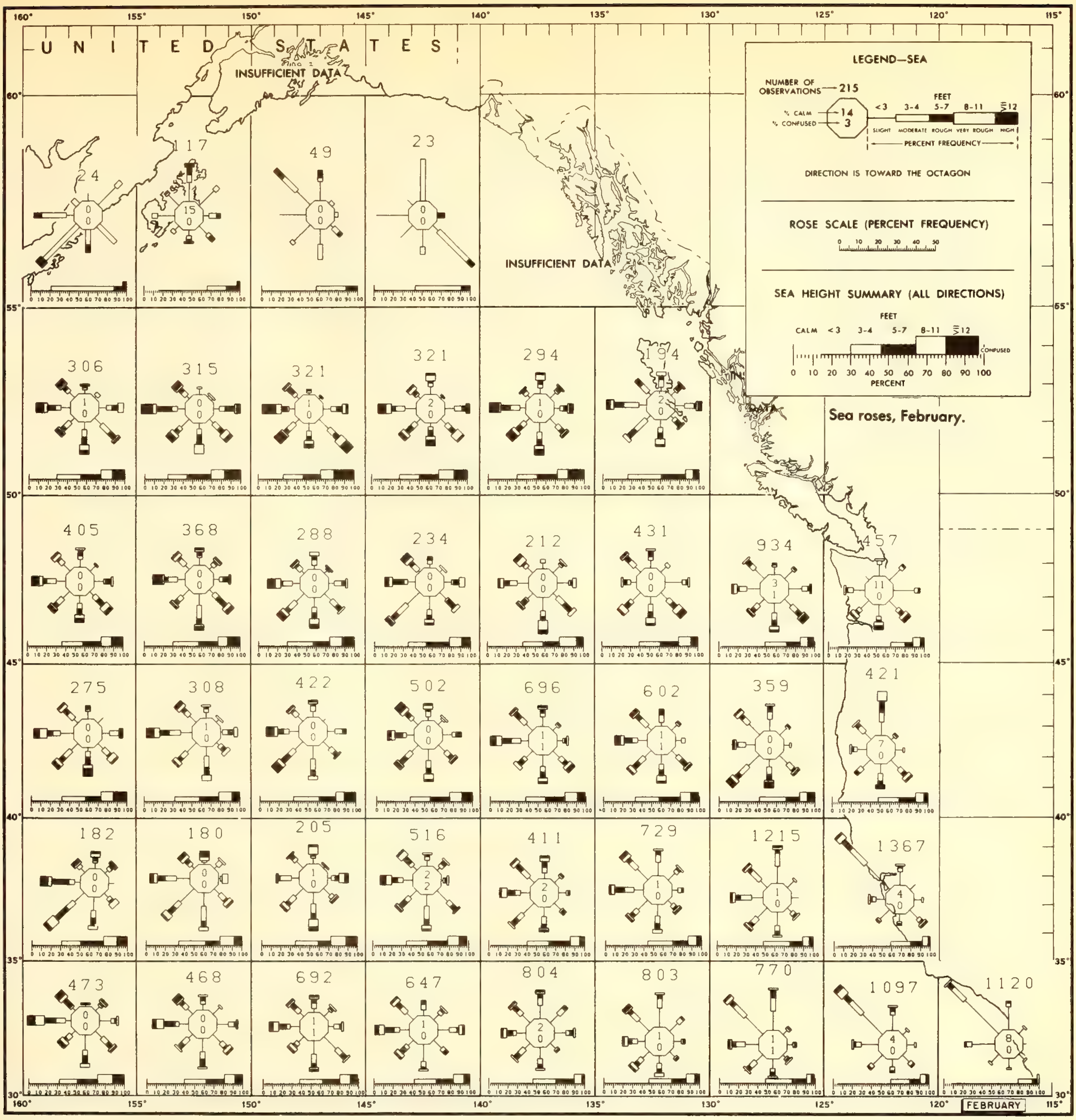


Figure I-38.--Sea roses, eastern North Pacific, by midseason months: February.

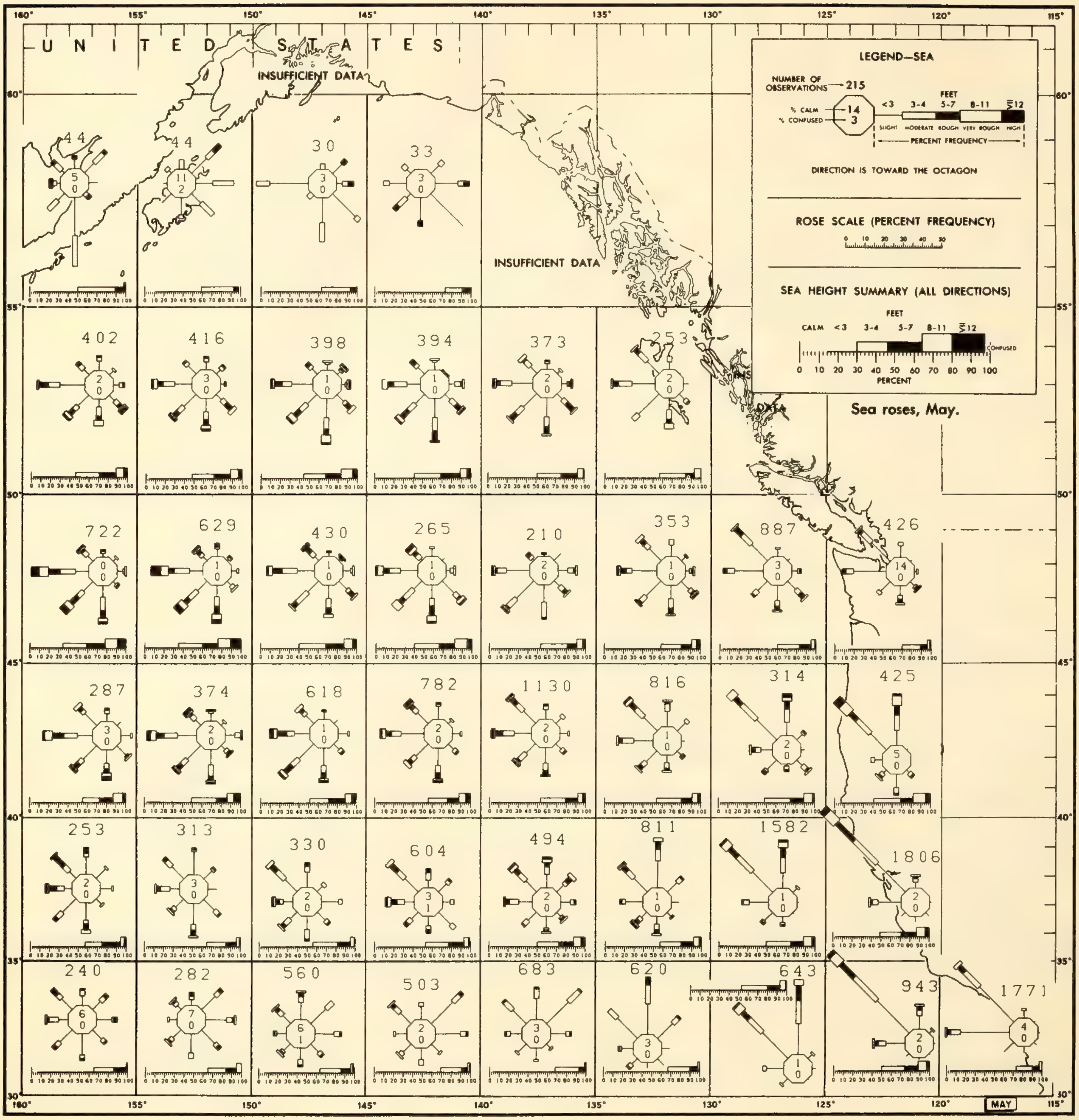


Figure I-39.--Sea roses, eastern North Pacific, by midseason months: May.

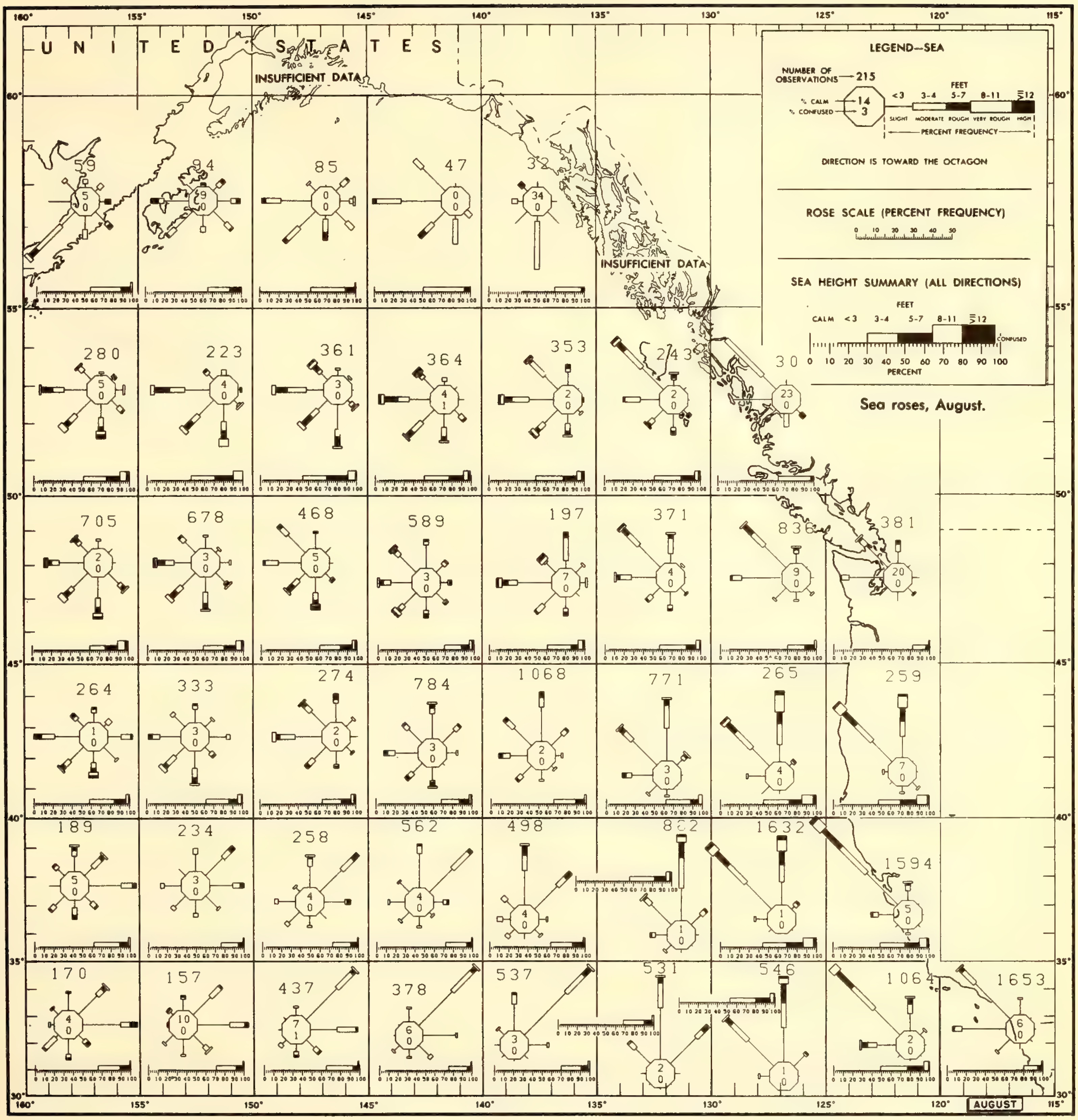


Figure I-40.--Sea roses, eastern North Pacific, by midseason months: August.

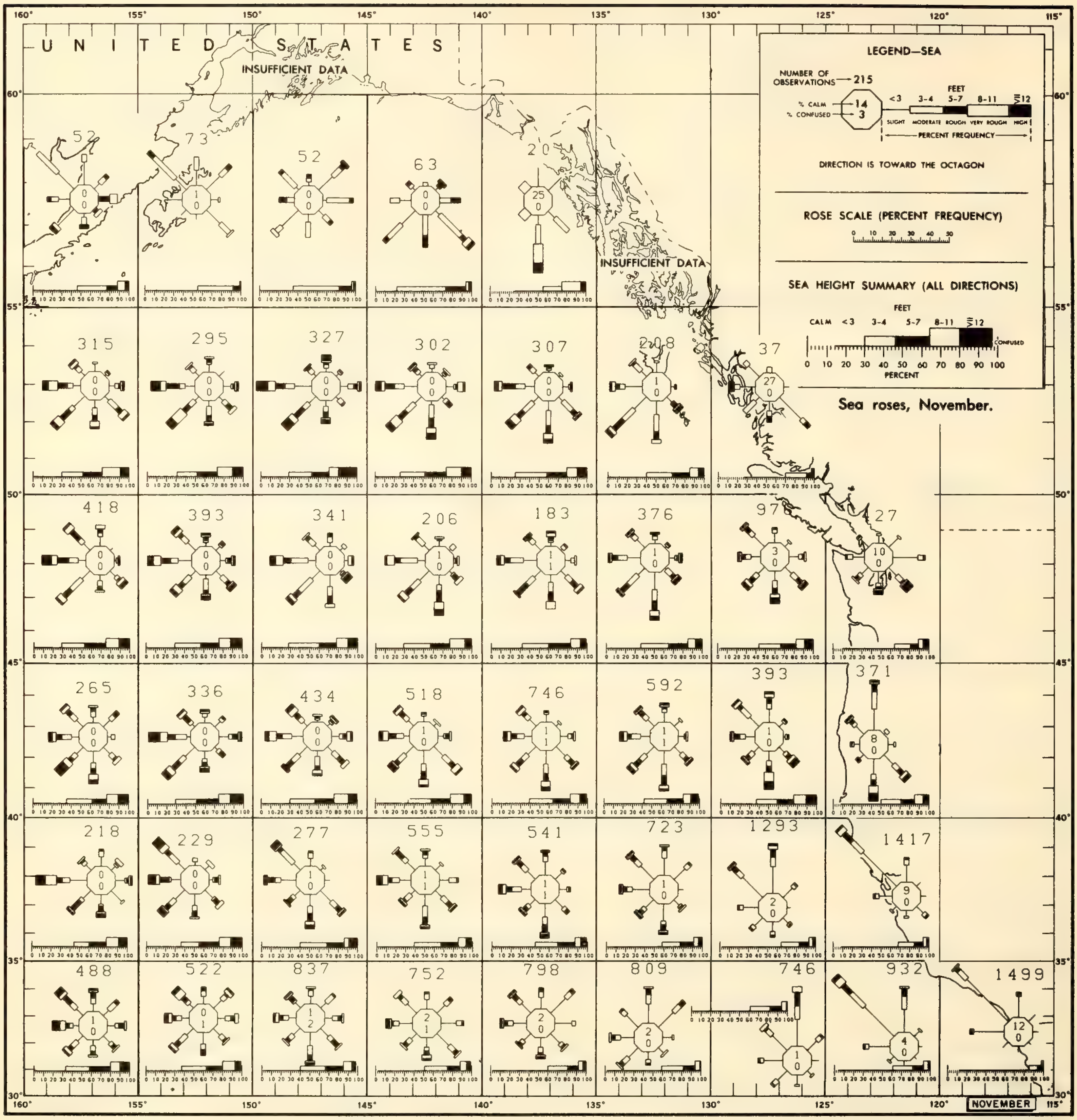


Figure I-41.--Sea roses, eastern North Pacific, by midseason months: November.

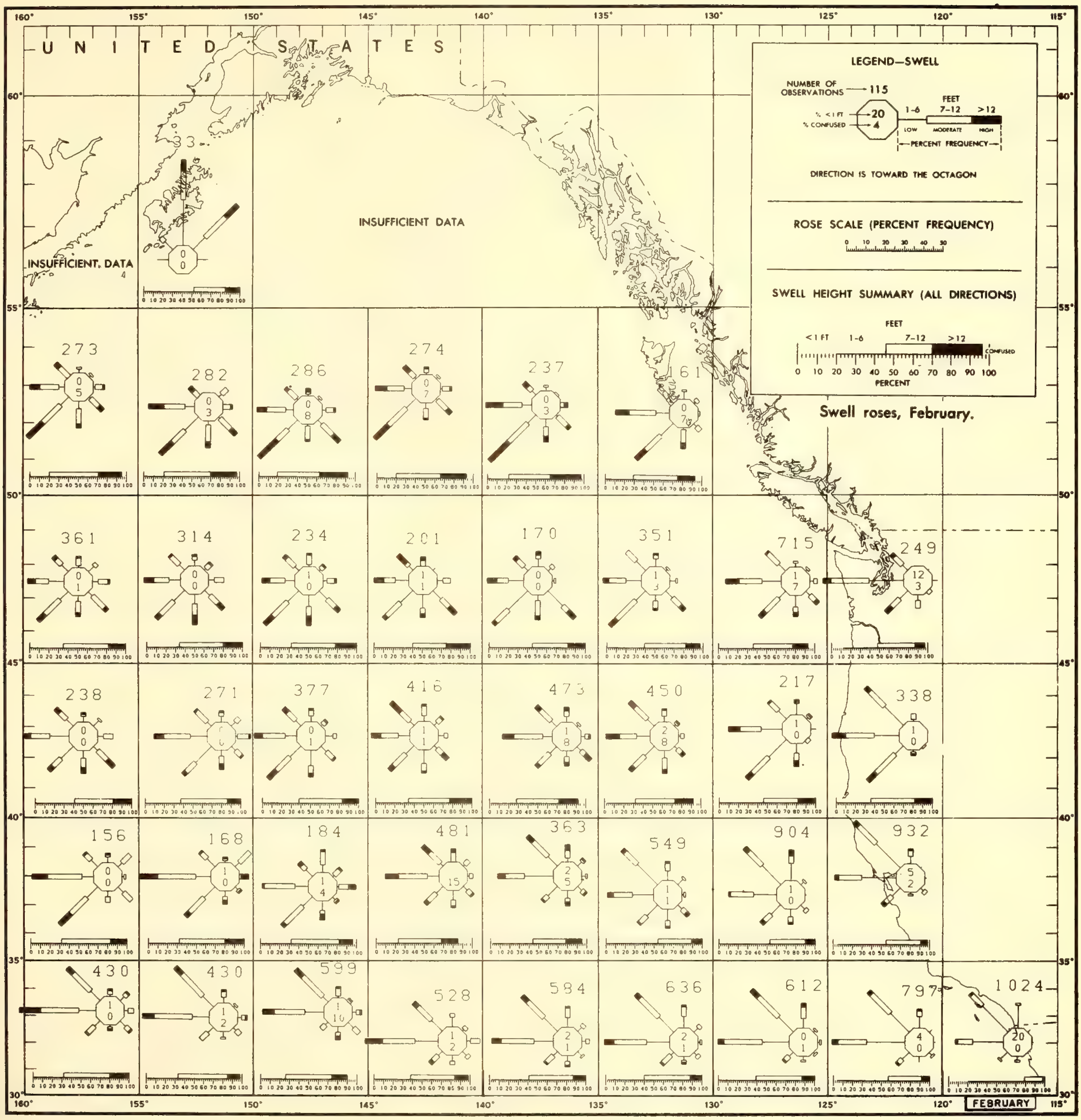


Figure I-42.--Swell roses, eastern North Pacific, by midseason months: February.

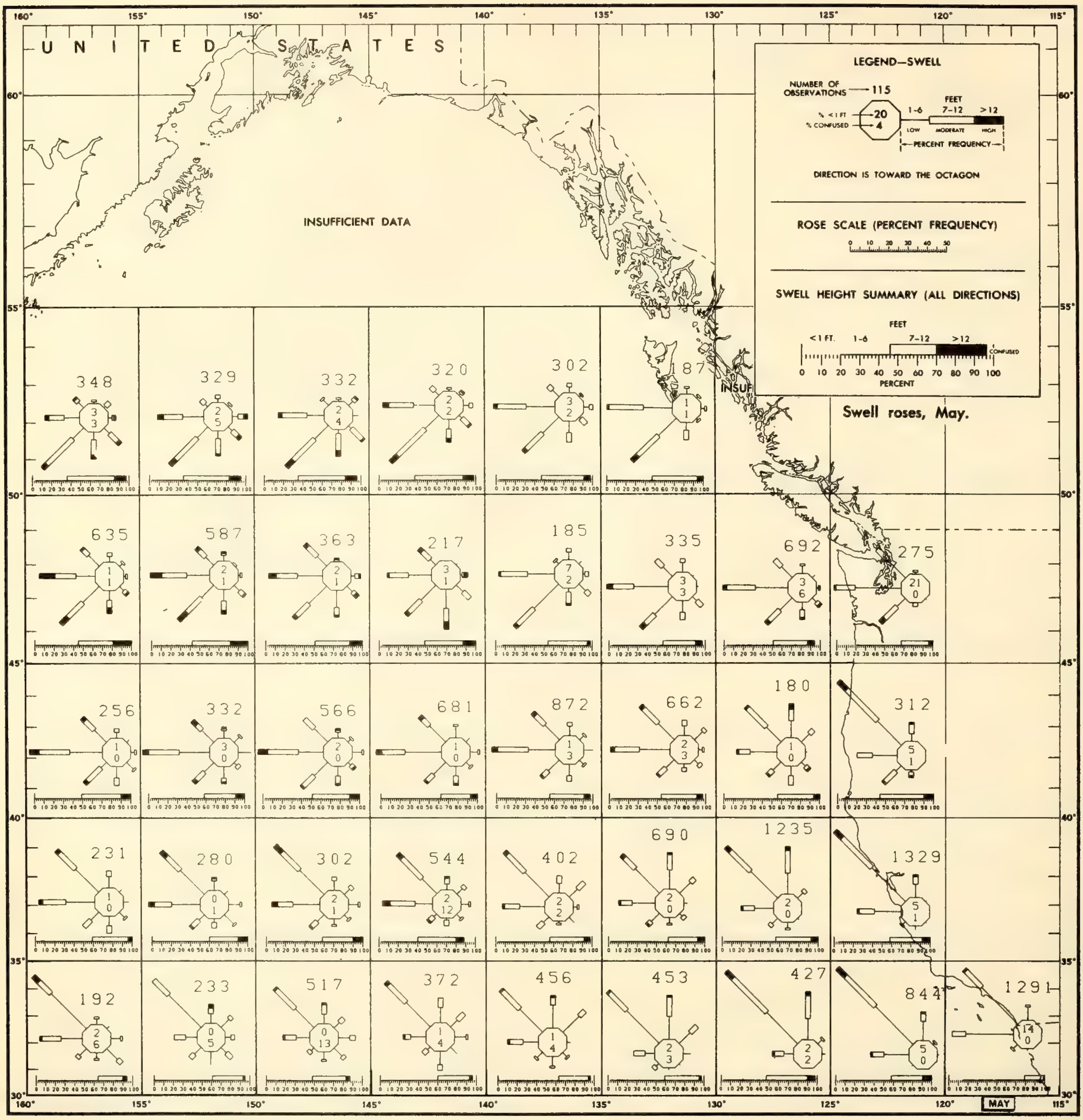


Figure I-43.--Swell roses, eastern North Pacific, by mid-season months: May.

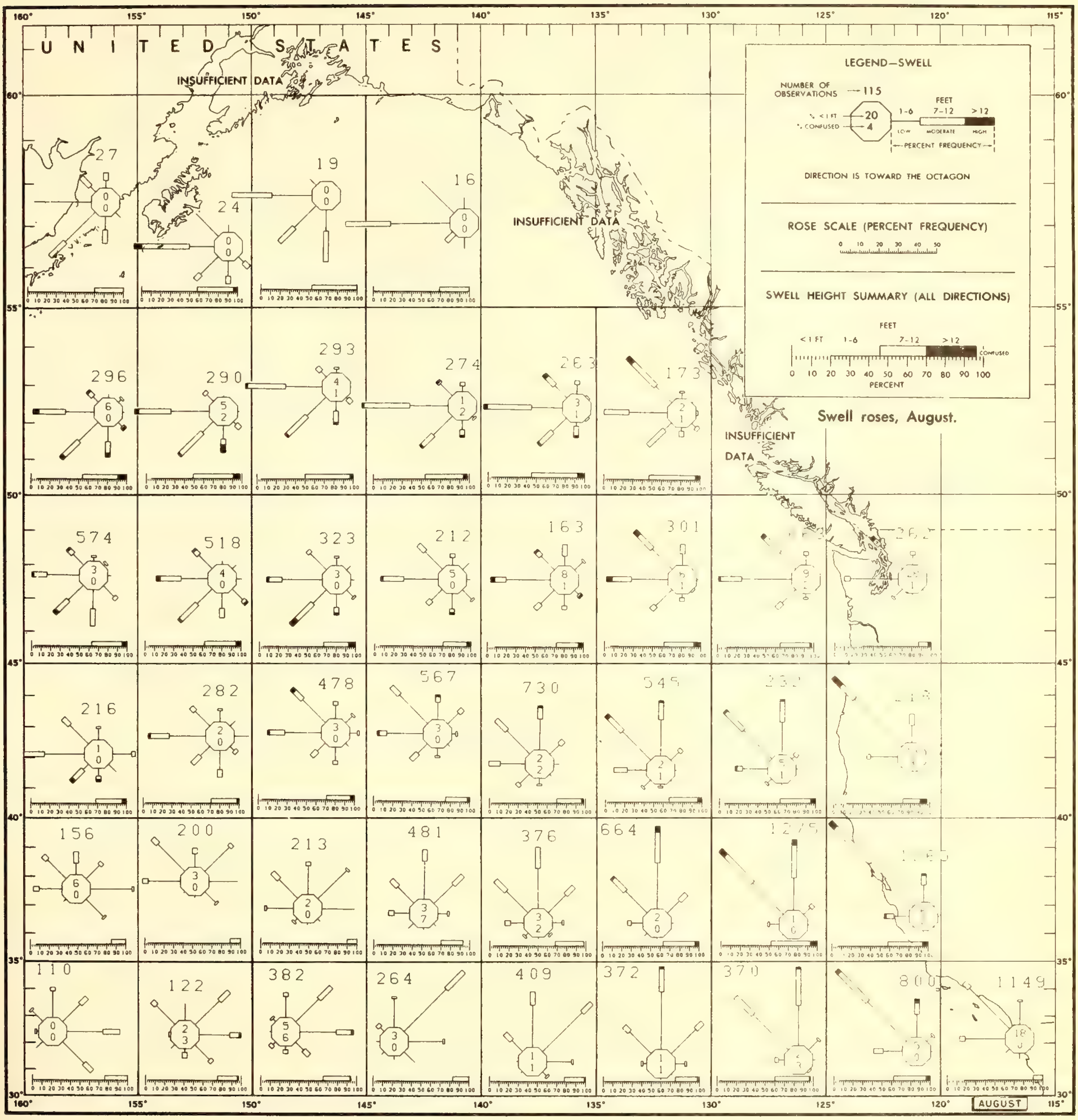


Figure I-44.--Swell roses, eastern North Pacific, by midseason months: August.

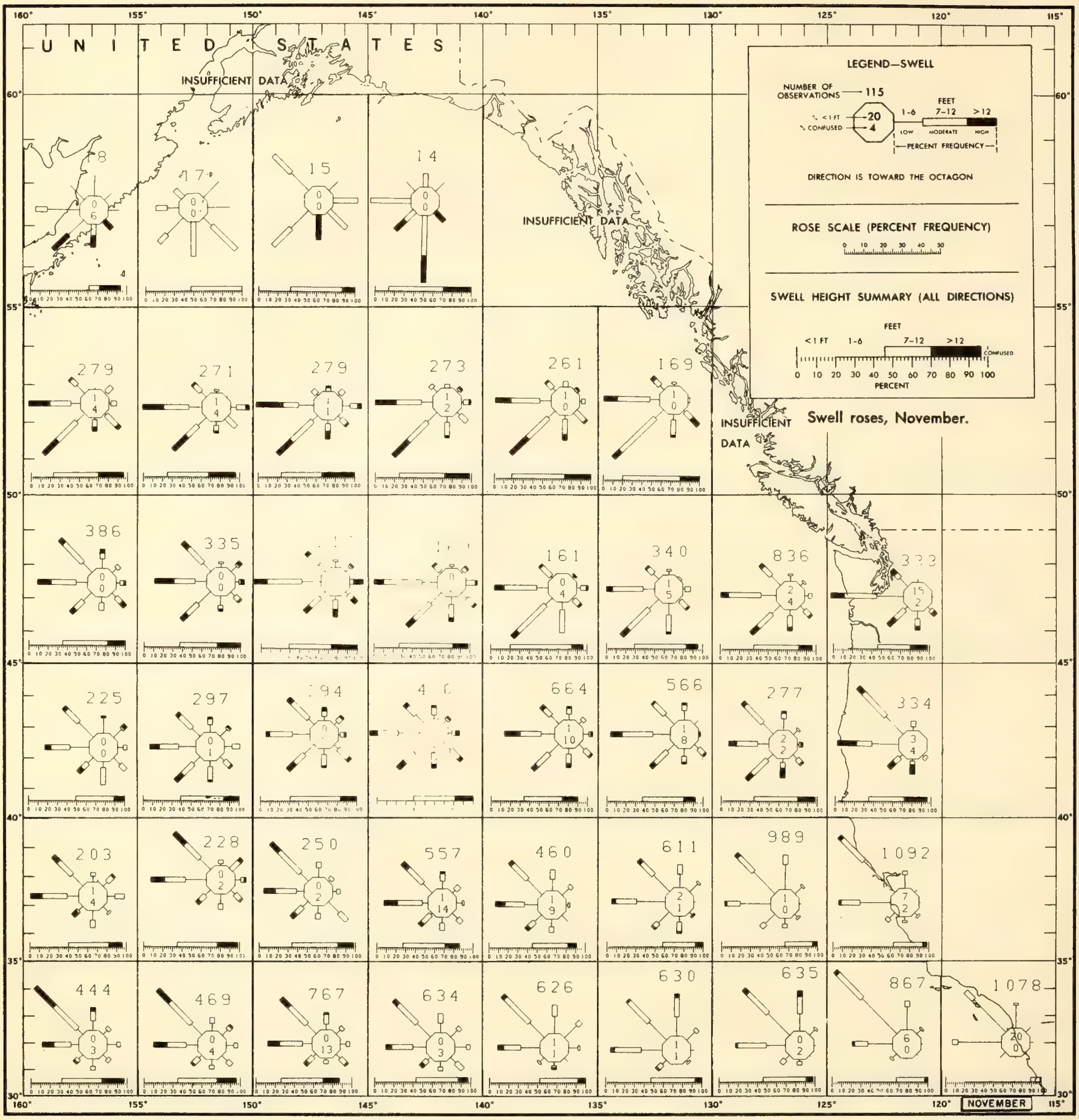


Figure I-45.--Swell roses, eastern North Pacific, by midseason months: November.

D. REFERENCES FOR ATMOSPHERIC CONDITIONS (STATIC)

Bunting, Donald C. and Moskowitz, Lionel I., "An Evaluation of Computerized Numerical Wave Prediction for the North Atlantic Ocean," *U.S. NAVOCEANO TR-209,* 1970. 66 pp.

National Oceanic and Atmospheric Administration (NOAA) National Climatic Center (NCC), *Tape Deck Family – 11 (TDF-11)*

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U.S. Naval Weather Service Command, *"Summary of Synoptic Meteorological Observations",* North American Coastal Marine Areas, Volumes 1-10, May, 1970.

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The following were used exclusively to help delineate subregions and miniregions.

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McDonald, Willard F., "Atlas of Climatic Charts of the Oceans", *U.S. Weather Bureau Pub.* No. 1247, U.S. Weather Bureau, Washington, D.C., 1938, 65 pp. plus 130 charts.

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U.S. Naval Oceanographic Office, *"The Gulf Stream",* Monthly publication from January 1966 to January 1972, U.S. Naval Oceanographic Office, Washington, D.C. 20390.

U.S. Navy, "Oceanographic Atlas of the North Atlantic Ocean," Section I, Tides and Currents, *H.O. Pub.* No. 700 Series, U.S. Naval Oceanographic Office, Washington, D.C. 20390, 1965, 75 pp.

U.S. Navy, "Oceanographic Atlas of the North Atlantic Ocean", Section II, Physical Properties, *H.O. Pub.* No. 700 Series, U.S. Naval Oceanographic Office, Washington, D.C. 20390, 1967, 300 pp.

II. Atmospheric Conditions (Dynamic)

A. INTRODUCTION

The following analyses of atmospheric conditions (dynamic) deal with the climatology of meteorological *systems*, or entire phenomena, as opposed to the analyses of atmospheric conditions (static) which dealt with the climatology of meteorological *parameters*. The phenomena analyzed include cyclones and anticyclones and their principal tracks, areas of cyclogenesis, wave period-height and period-direction relationships and distributions of the persistence of favorable and unfavorable seas.

Knowledge of dynamic atmospheric conditions is indispensable in the decision-making processes relevant to placing data-buoy networks. The fact that the static climatology assists the engineer in making decisions in regards to design, construction and testing, it does not tell him where, from what direction, with what speed, how persistent, nor with what accelerations the environmental systems will move. Hopefully, the atmospheric conditions (dynamic) will be helpful to those who must make decisions regarding buoy network configurations.

B. DATA

1. Cyclones and Anticyclones

a. Legend

b. Principal tracks of highs and low and principal areas of cyclogenesis

Charts of principal tracks of highs and lows (fig. II-1 to 12) are taken from Klein (1957). They depict the month-to-month evolution of the prevailing tracks of cyclones and anticyclones at sea level in most of the Northern Hemisphere. These tracks were prepared in 1956 by combining relevant material from many previous studies with new data from the *Historical Map Series*, the *Monthly Weather Review*, and the *Normal Weather Charts*.

Derivation of the tracks was independent, for the most part, of the intensity of the systems or the location of semipermanent centers of low or high pressure. In all cases the *primary* consideration was the frequency of migratory cyclones and anticyclones. Hence, the tracks shown here depict not only the most frequent or primary tracks, but also preferred secondary tracks which may predominate in special, yet frequent synoptic situations. It should be borne in mind that only the customary behavior of systems is displayed; individual days, months, years, or even decades may exhibit large deviations from the normal pattern.

The principal areas of cyclogenesis for each of the four seasons, according to the U.S. Navy Chief of Naval Operations (1955, 1956), have been superimposed on the midmonth chart of the pertinent season's principal tracks of lows. For example, the principal areas of cyclogenesis for the winter season appear on the January chart of principal tracks of lows.

c. **Frequency of cyclone occurrence, origin, and number of cyclone days by months by 5° latitude and longitude areas (table II-1).**

(A) Number of lows in 20 yr.
(B) Number of days with lows in 40 yr.
(C) Number of cyclones originating in 20 yr.

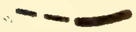
The tabulated data on cyclone frequency that follow, including the numbers of years of records, were taken from Klein (1957).

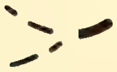
a. Legend

Principal tracks of cyclones at sea level.
Principal tracks of anticyclones at sea level.

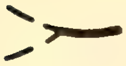
From Klein (1957)

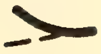
The prevailing direction of motion of systems is indicated by the arrows. Heavy solid lines denote primary tracks—those which are most frequent and generally indicated by various data sources; thin dashed lines denote secondary, less frequent, and less well-defined tracks. All arrow heads end in areas where cyclone frequency is a local maximum. Here the tracks may cross, branch, and merge, although they are not specifically so drawn. Locally preferred regions of genesis are indicated where secondary or primary tracks begin, whether in centers of maximum cyclone frequency or elsewhere. An area of frequent genesis is also indicated by either of the following two track symbols (all motion from left to right):

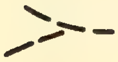

A single secondary track changes to a single primary track.

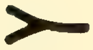

Two secondary tracks merge to form a primary track, with a break between dashed and solid line.

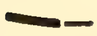
Other track representations occasionally used, none of which represent genesis, are illustrated below (again all motion from left to right):

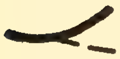

Two secondary tracks merge to form a primary track, without a break between dashed and solid line.

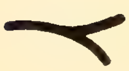

A secondary track merges with a primary track, without a break between dashed and solid line.

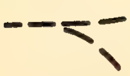

Two secondary tracks merge to form another secondary track.

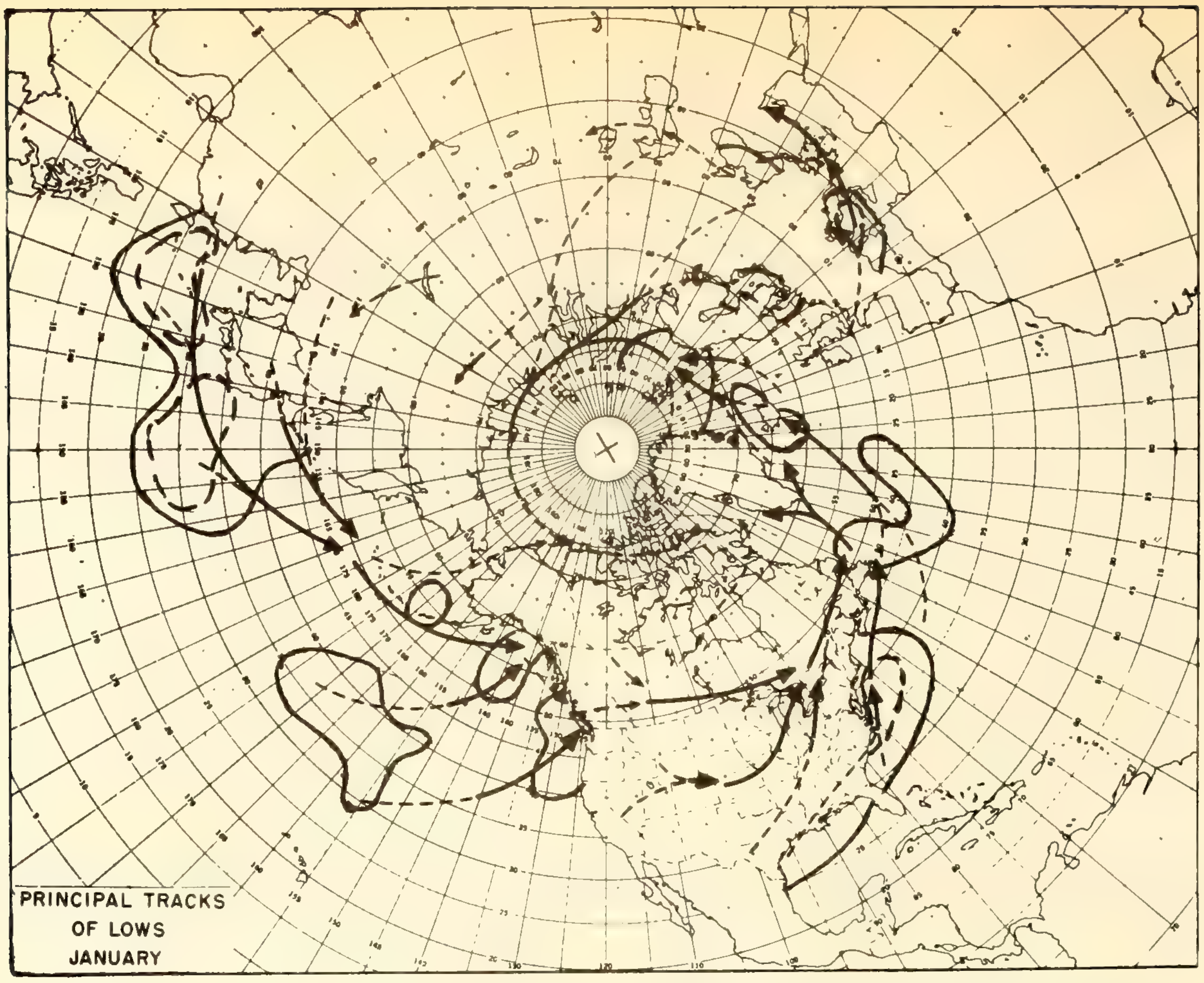

Two primary tracks merge.


A primary track decreases in frequency to a secondary track.


A secondary track branches off from a primary track.


A primary track splits into two primary branches.


A secondary track splits into two secondary branches.



Principal areas of cyclogenesis are outlined with solid lines. More concentrated cyclogenesis areas are outlined with dashed lines.

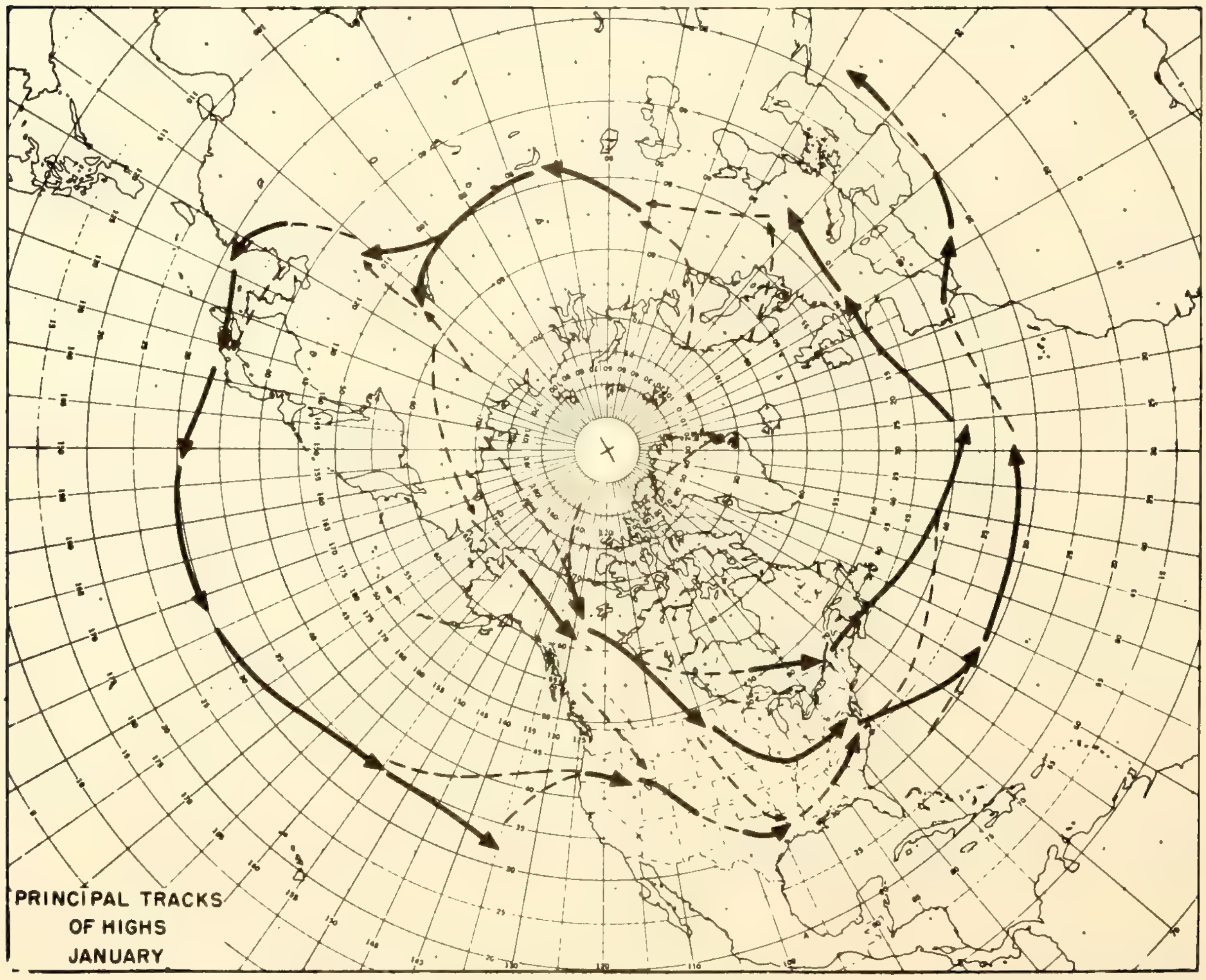
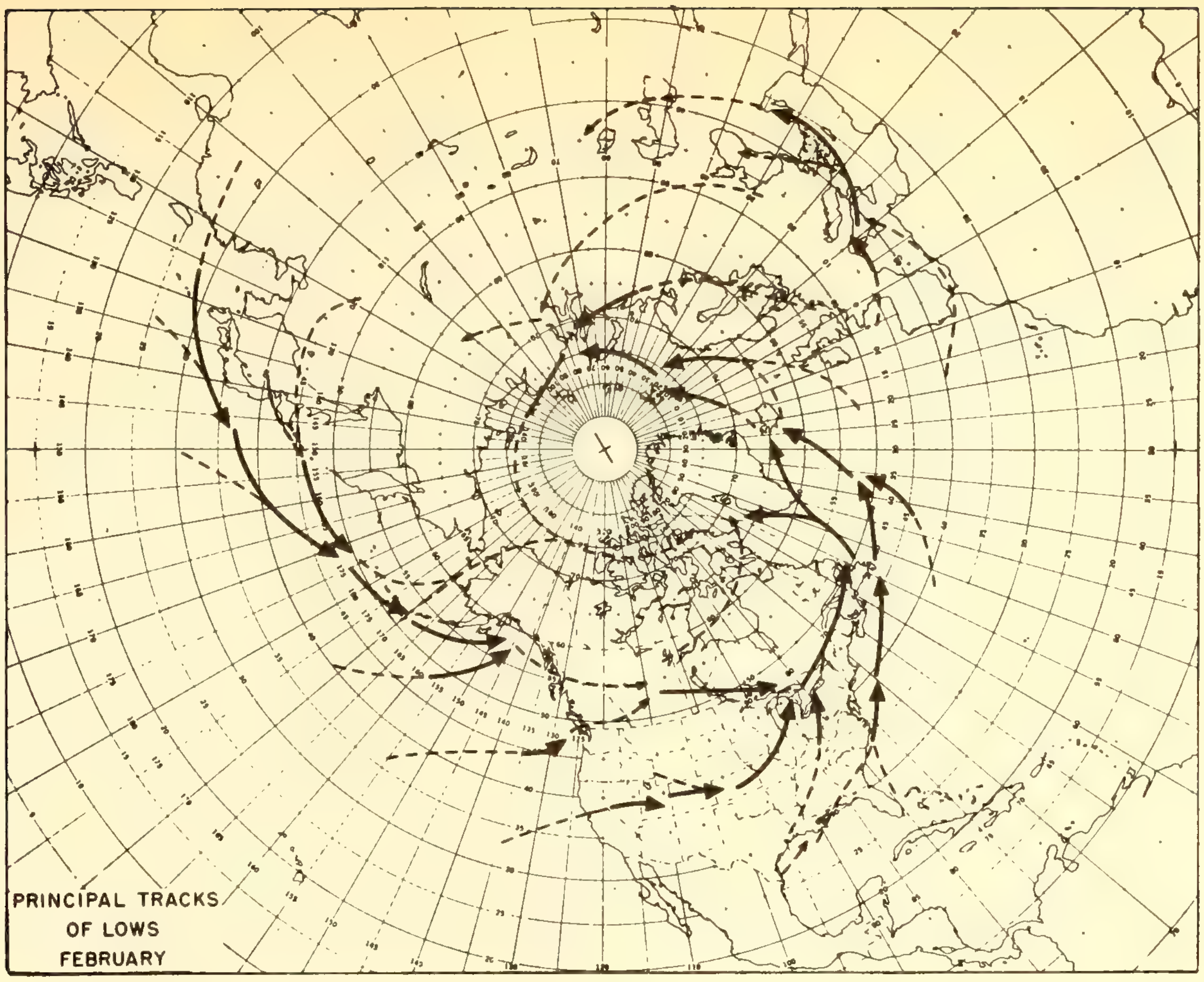


Figure II-1.-- Principal tracks of highs and lows by month: January.



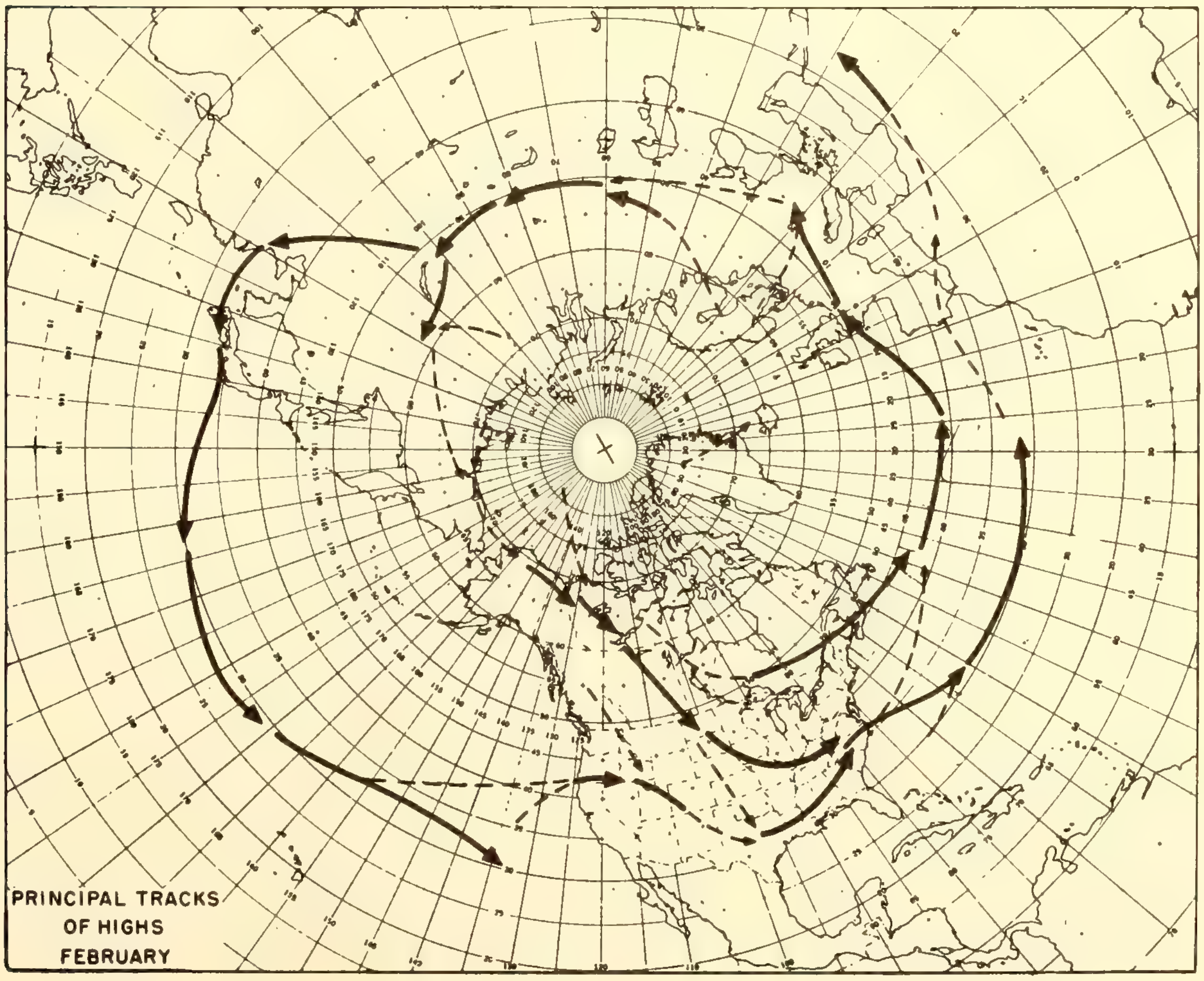
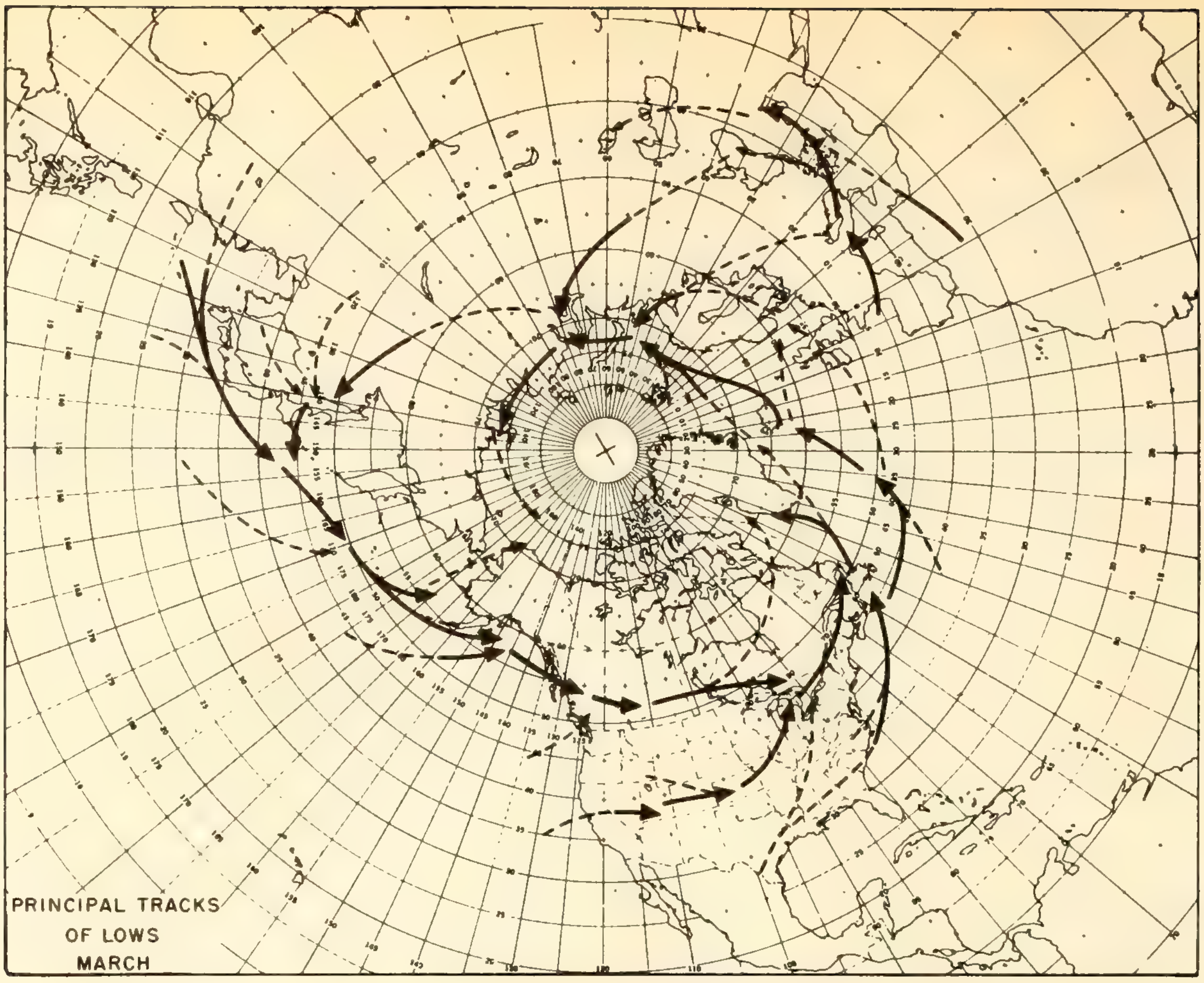


Figure II-2.-- Principal tracks of highs and lows by months: February.



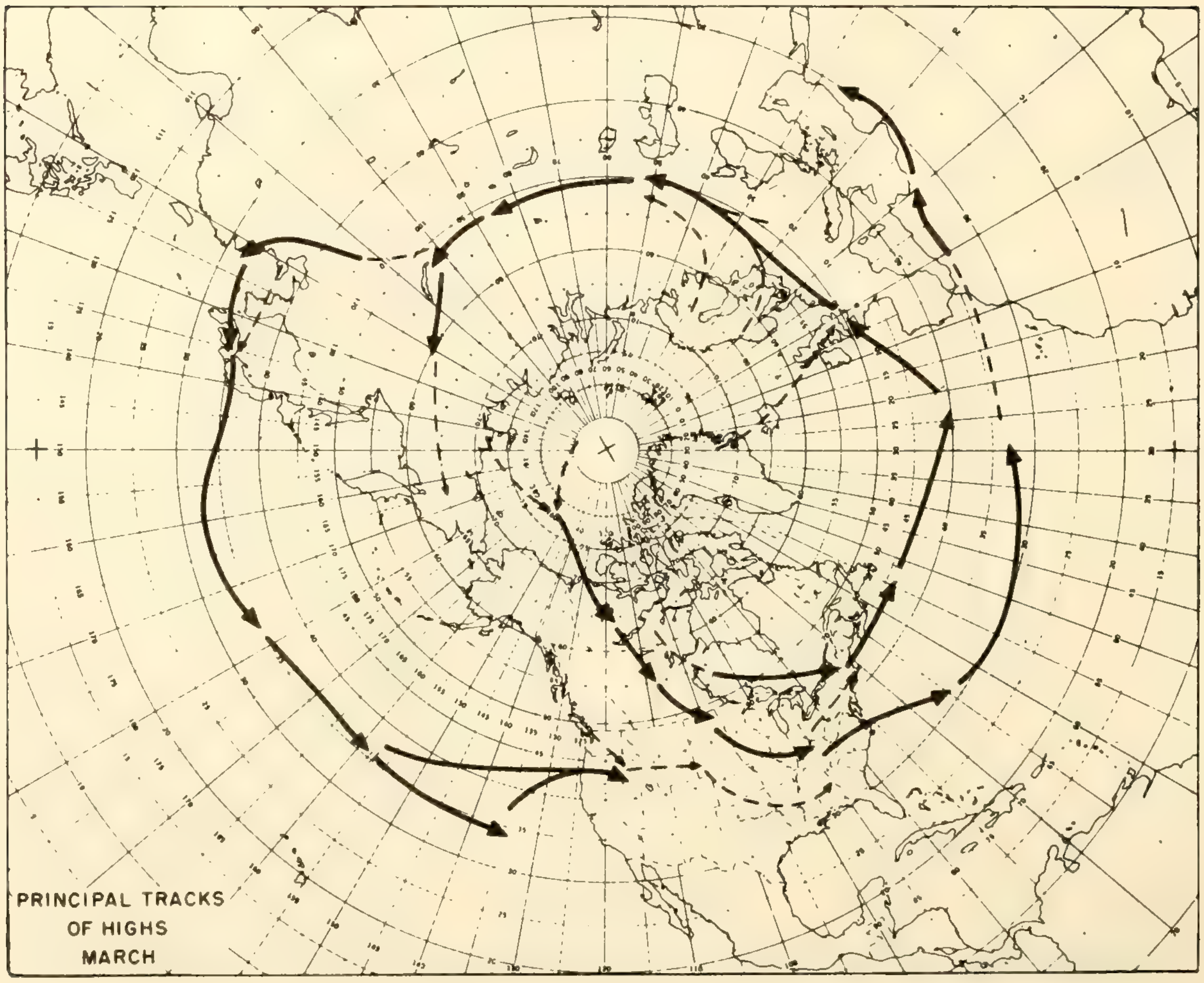
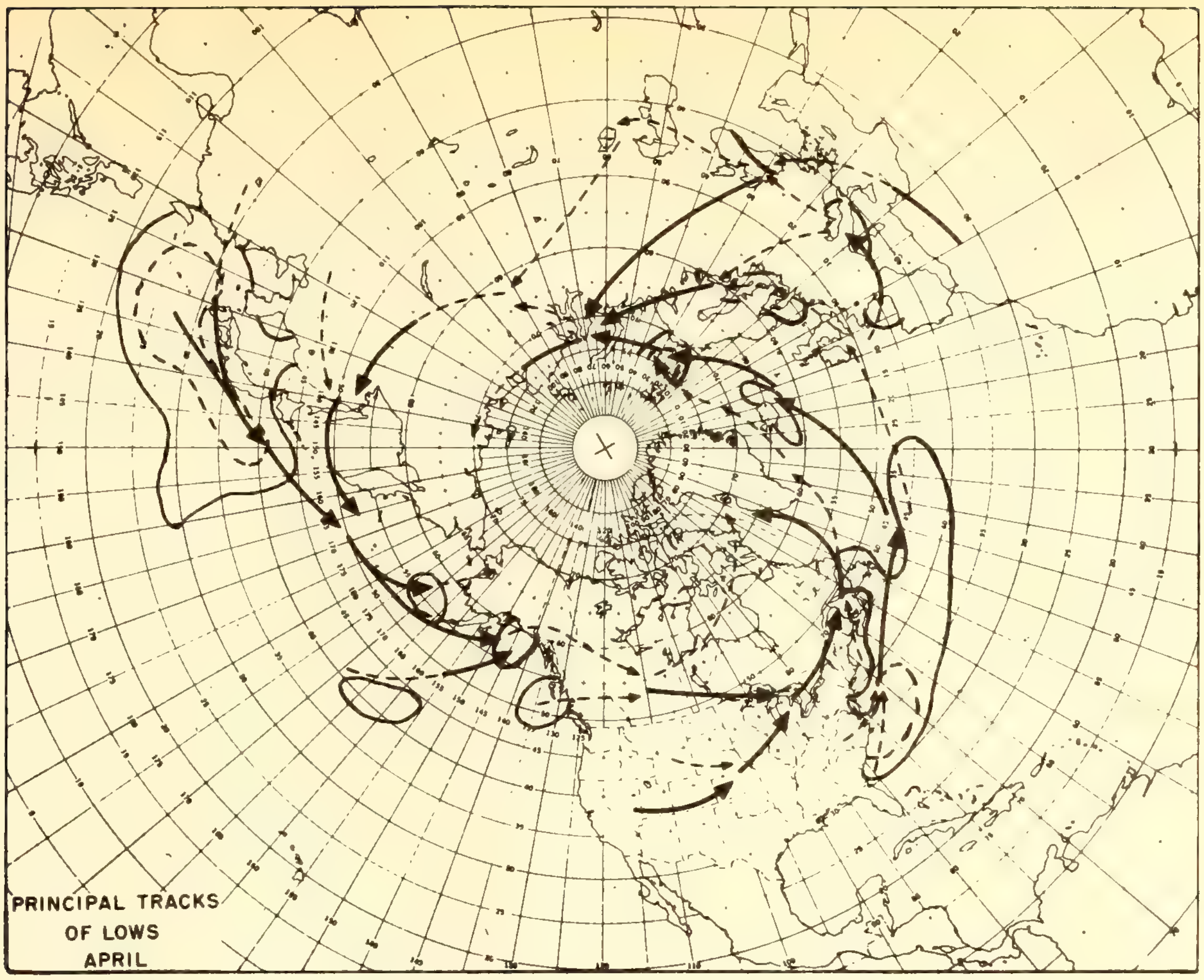


Figure II-3.-- Principal tracks of highs and lows by month: March.



Principal areas of cyclogenesis are outlined with solid lines. More concentrated cyclogenesis areas are outlined with dashed lines.

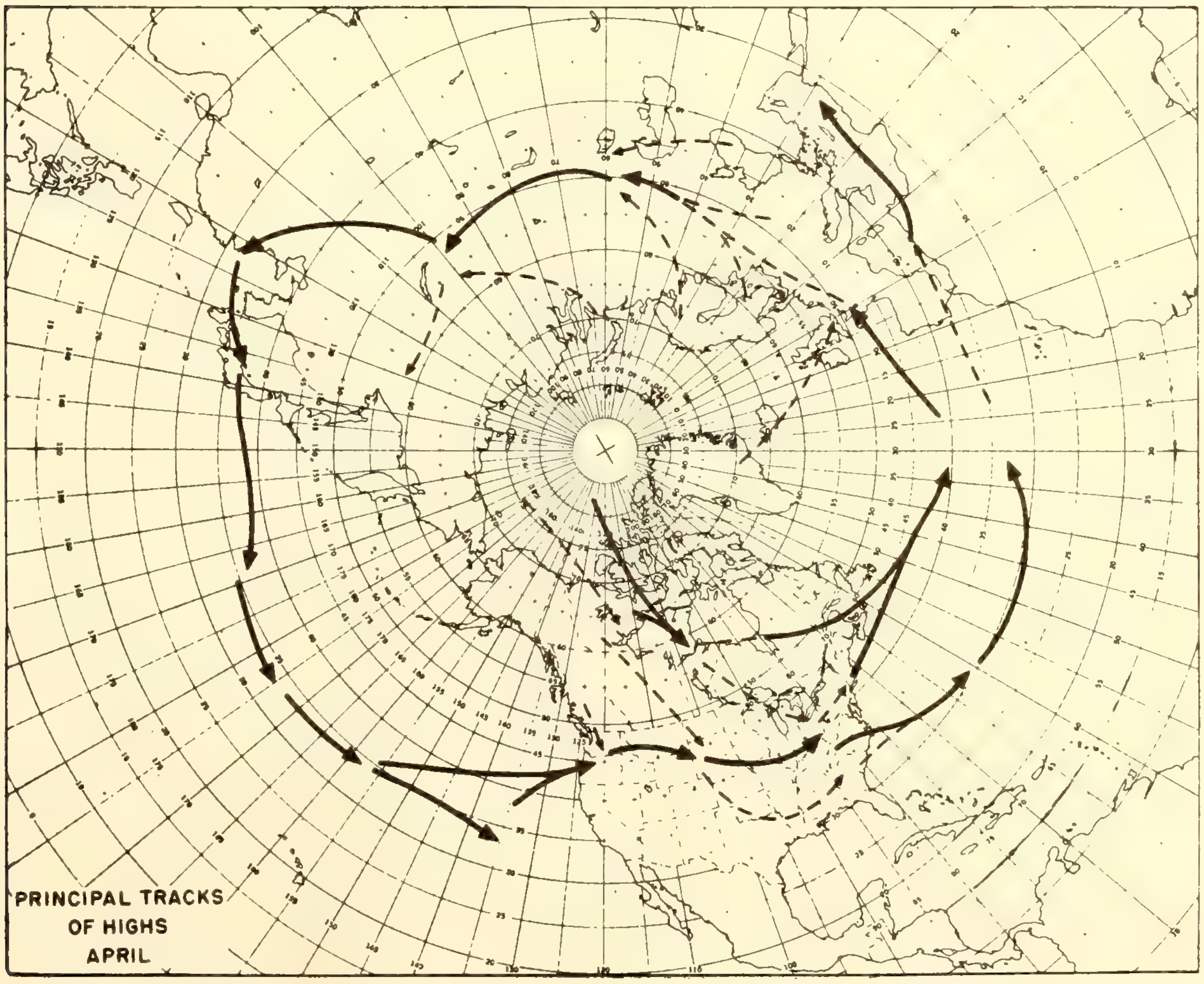
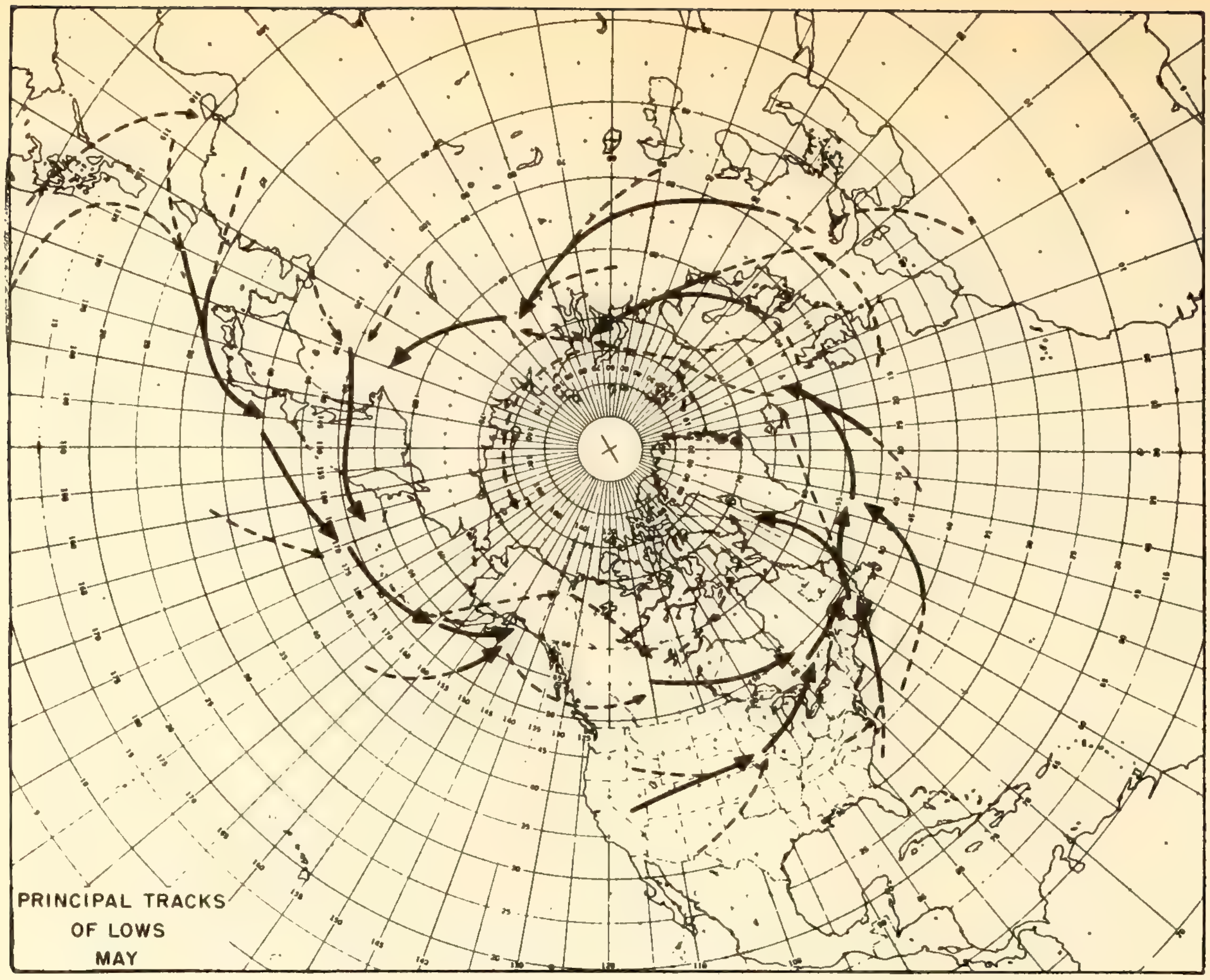


Figure II-4.-- Principal tracks of highs and lows by month: April.



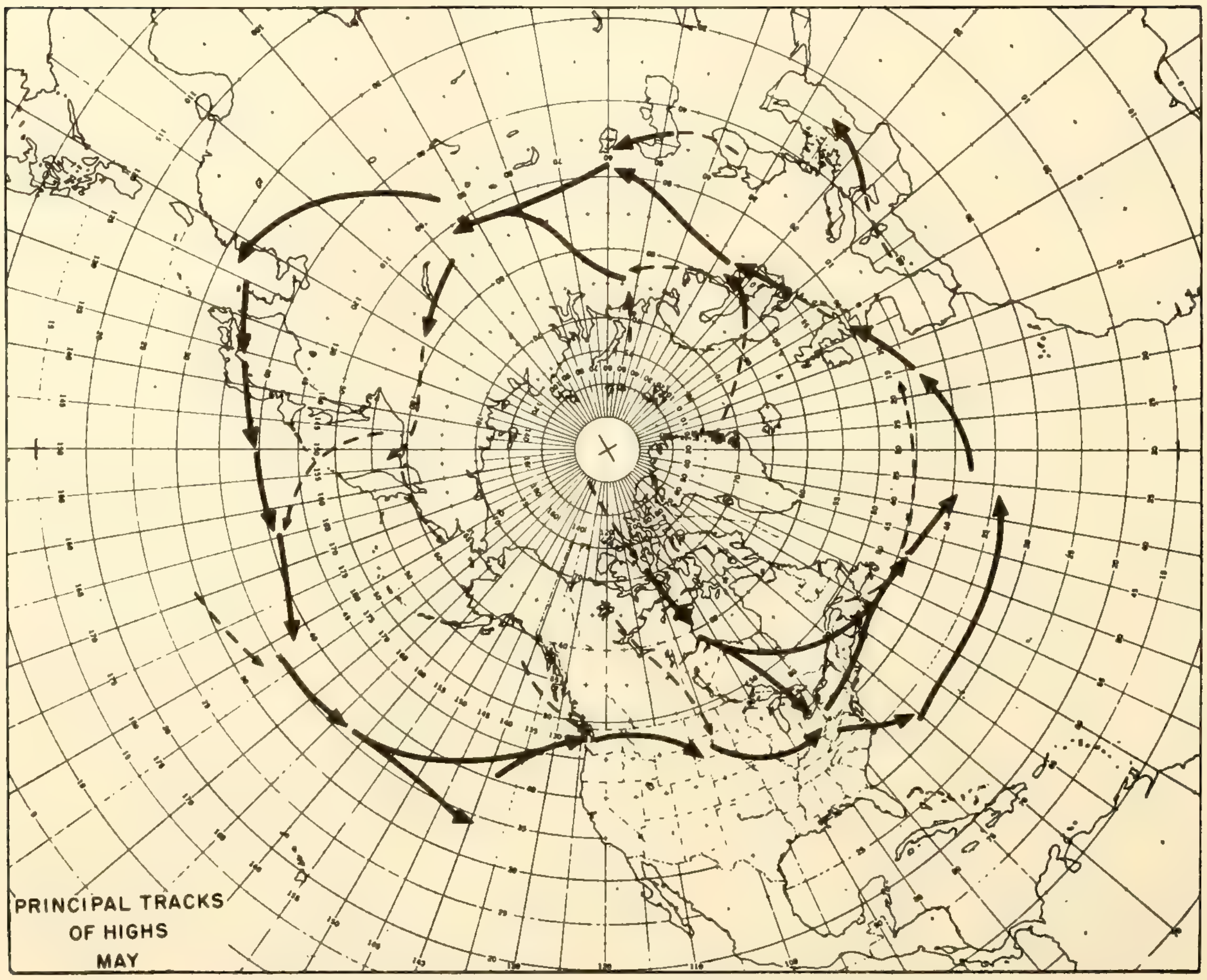
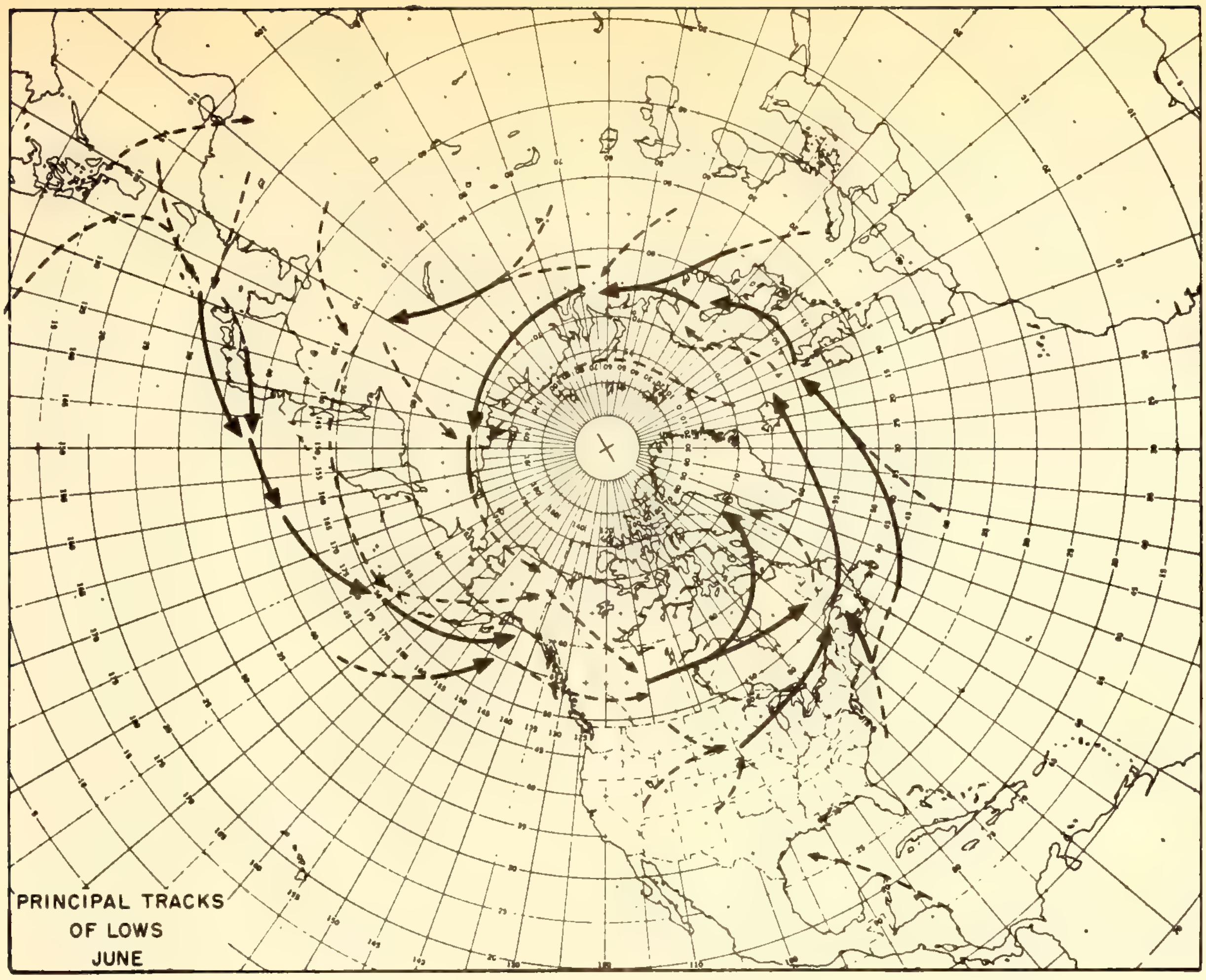


Figure II-5.-- Principal tracks of highs and lows by month: May.



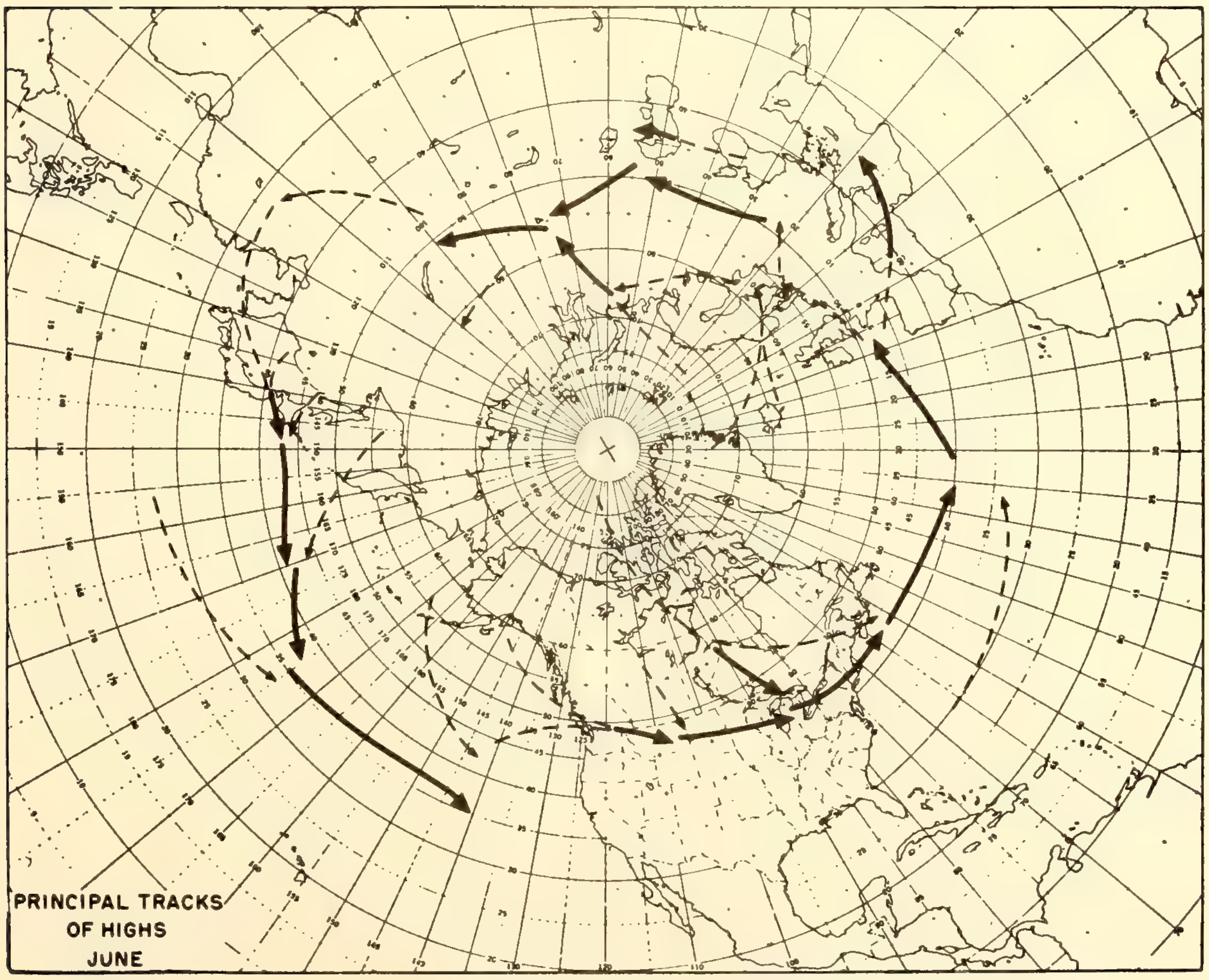
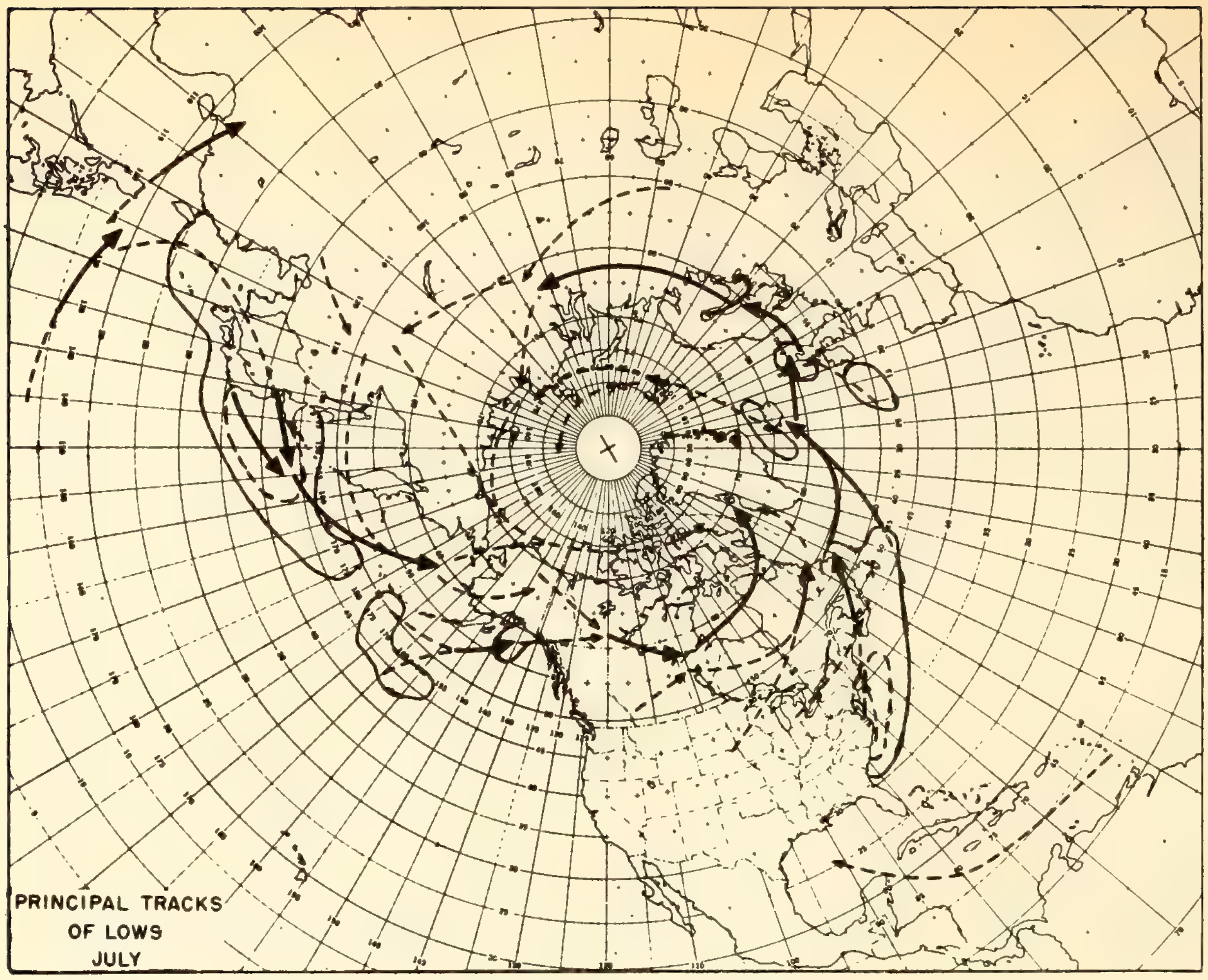


Figure II-6.-- Principal tracks of highs and lows by month: June.



Principal areas of cyclogenesis are outlined with solid lines. More concentrated cyclogenesis areas are outlined with dashed lines.

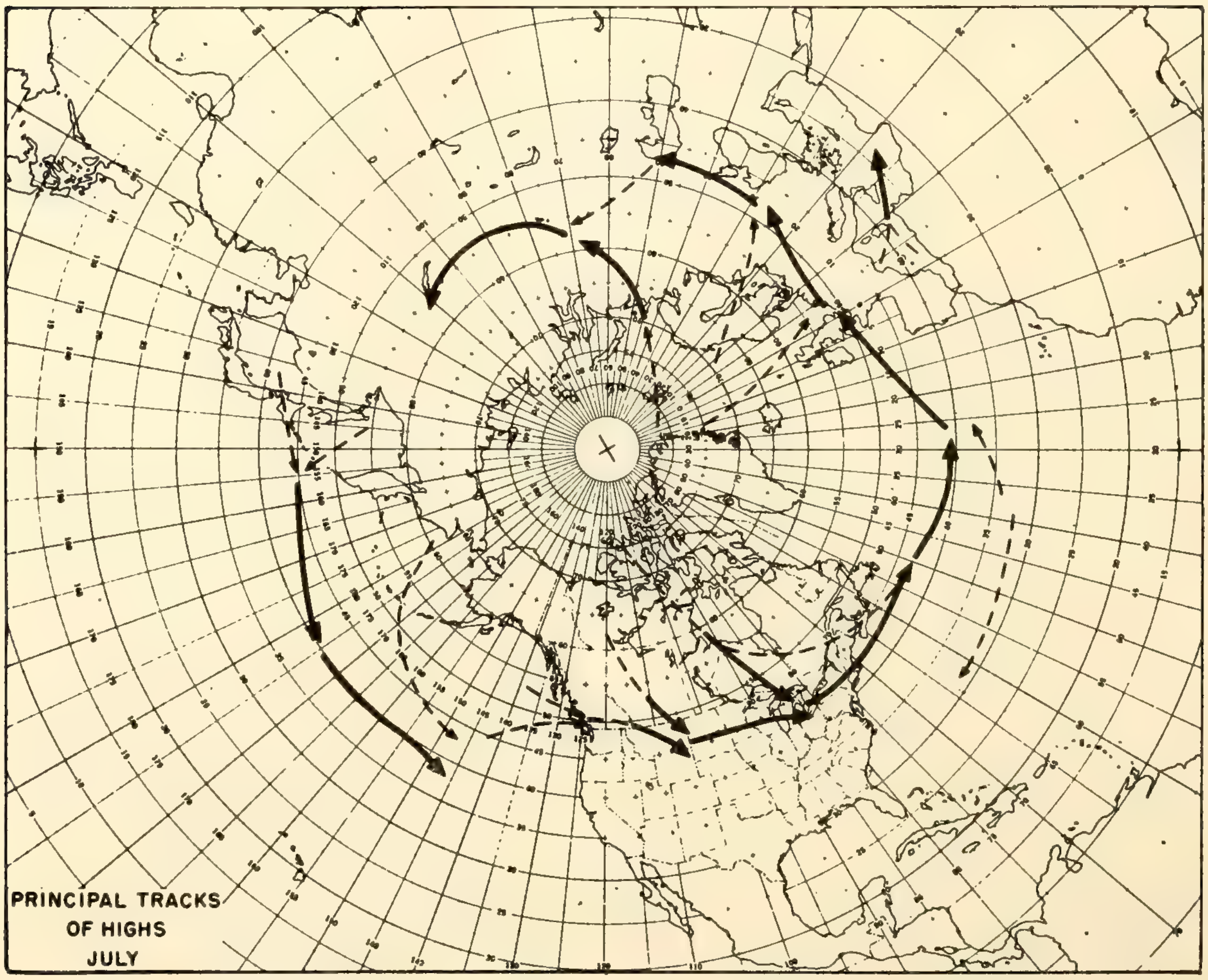
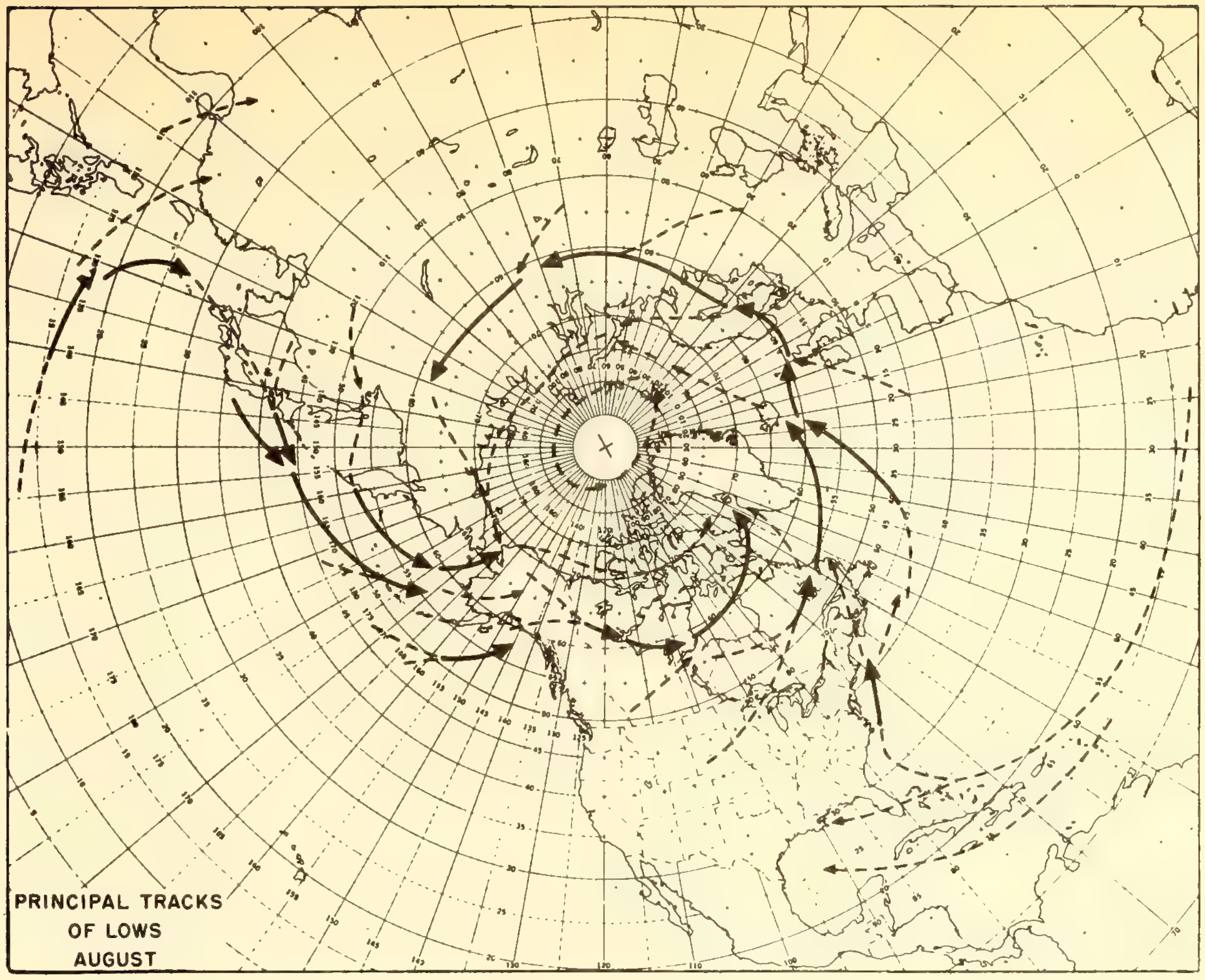


Figure II-7.-- Principal tracks of highs and lows by month: July.



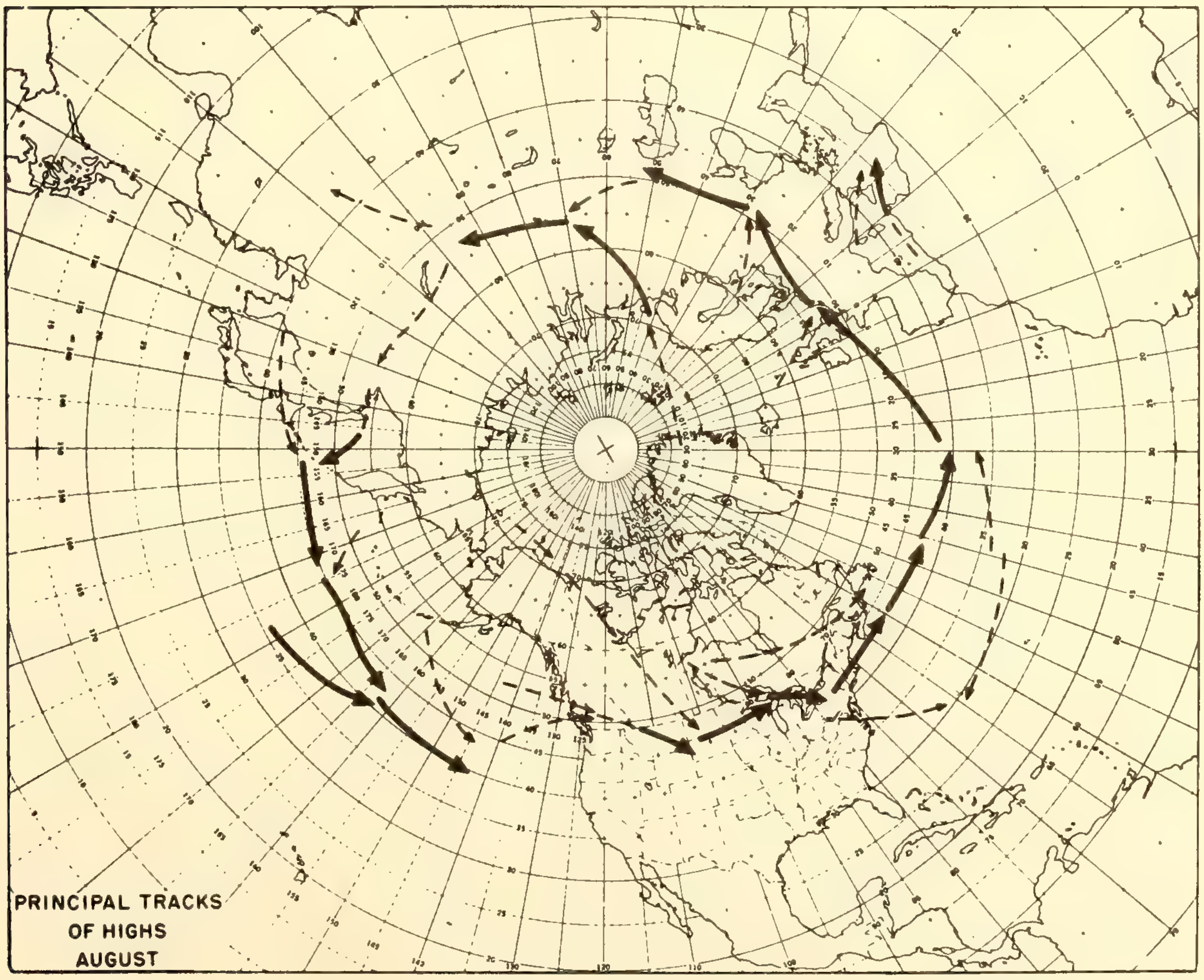
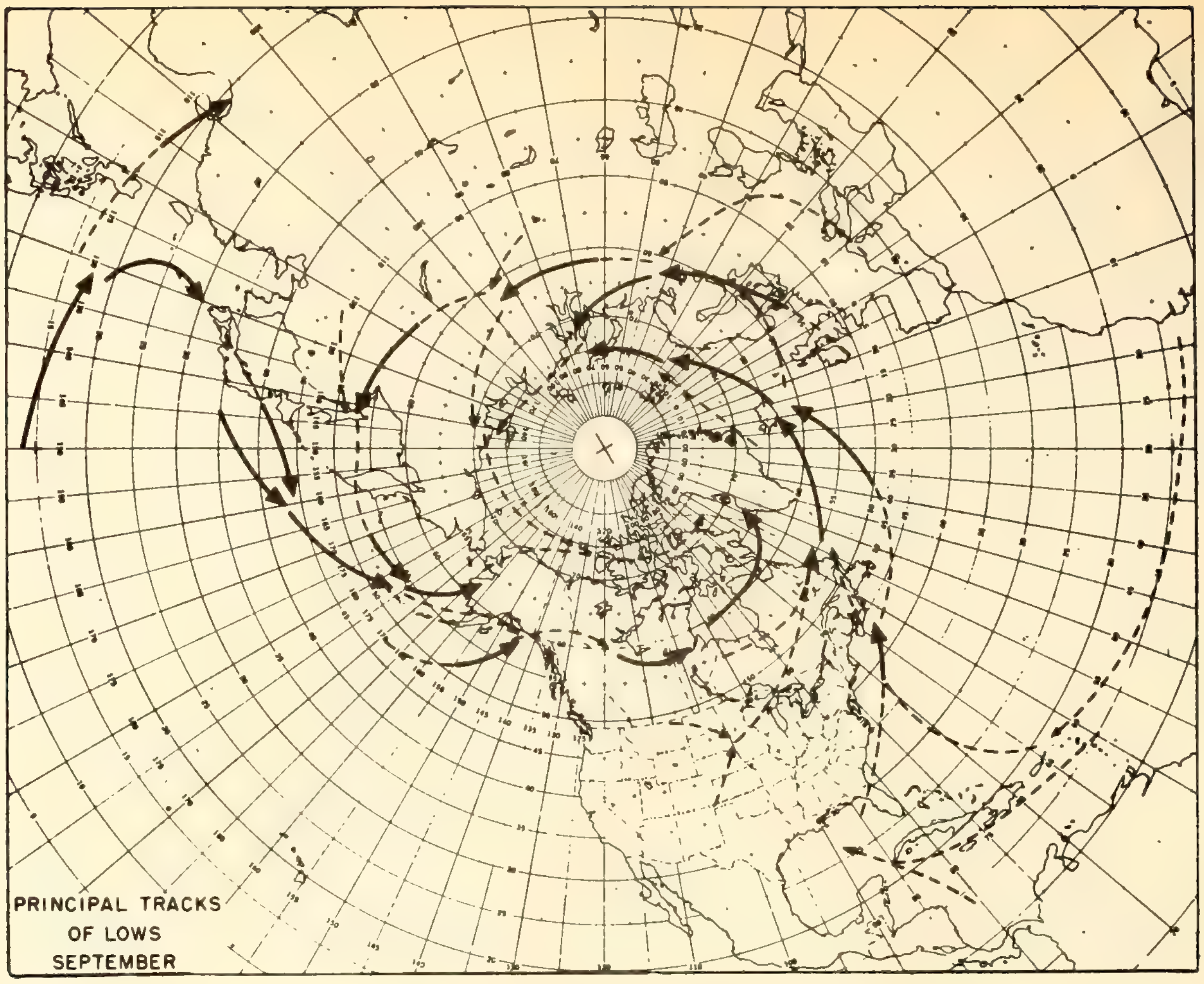


Figure II-8.-- Principal tracks of highs and lows by month: August.



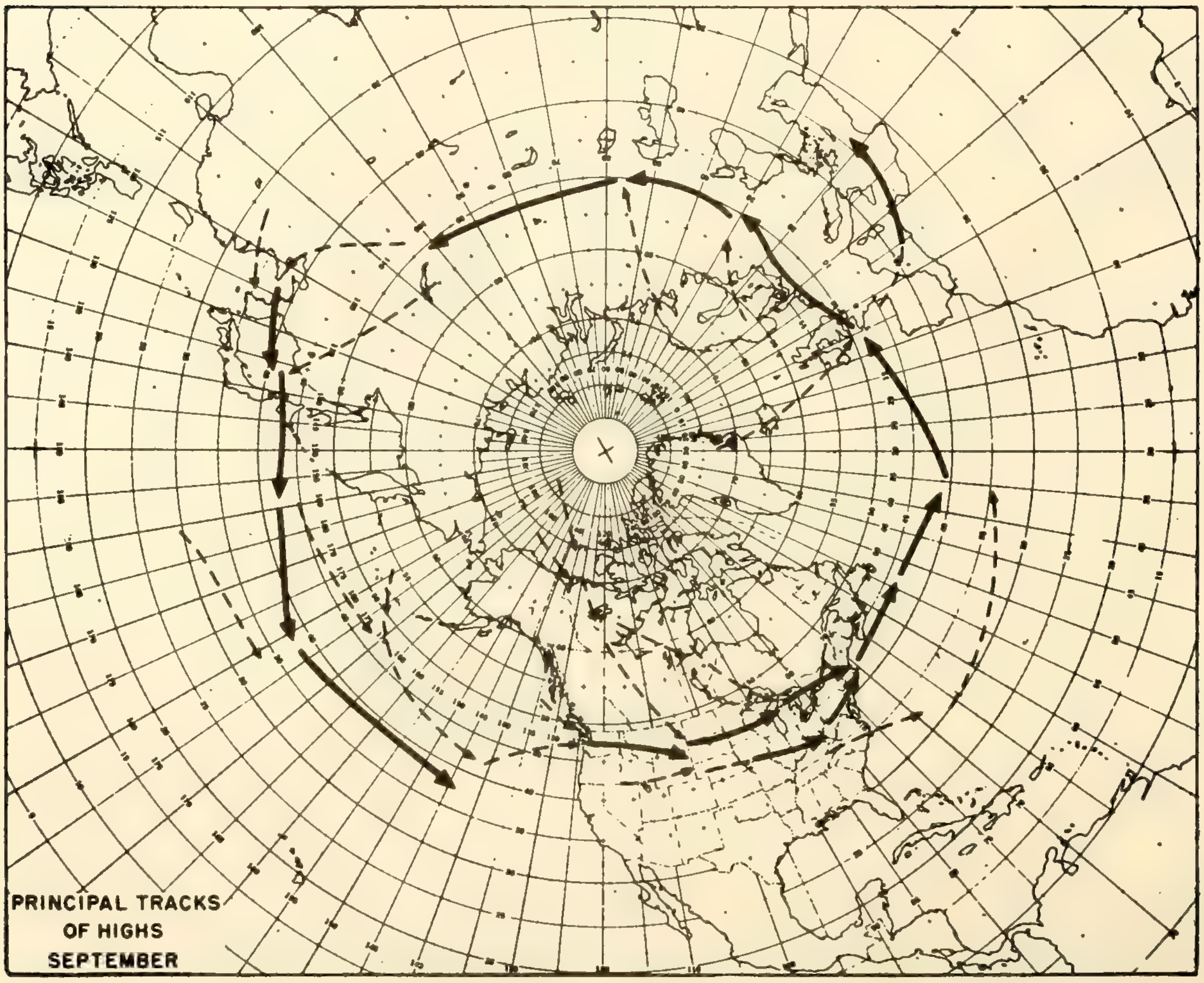
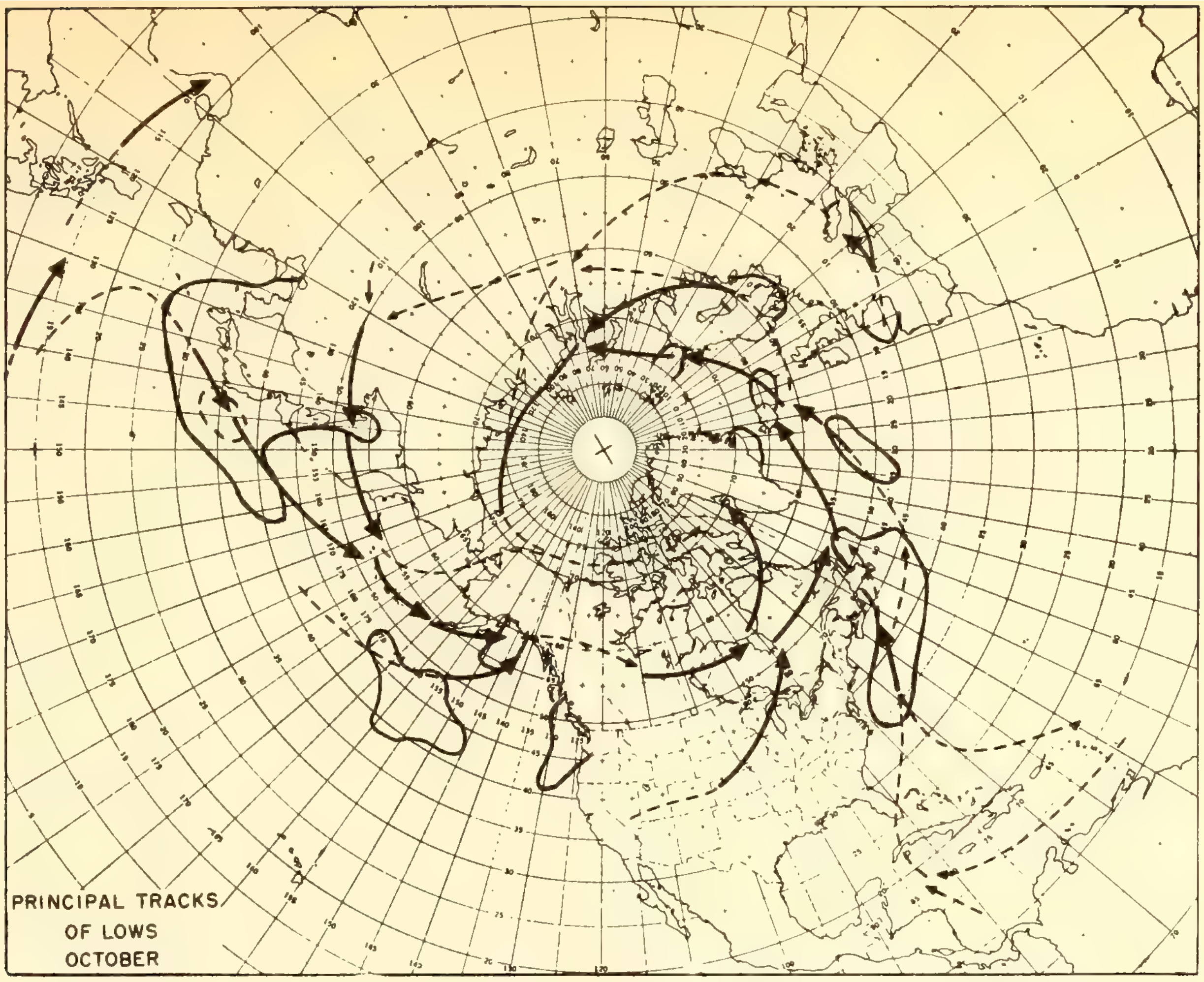


Figure II-9.--Principal tracks of highs and lows by month: September.



Principal areas of cyclogenesis are outlined with solid lines. More concentrated cyclogenesis areas are outlined with dashed lines.

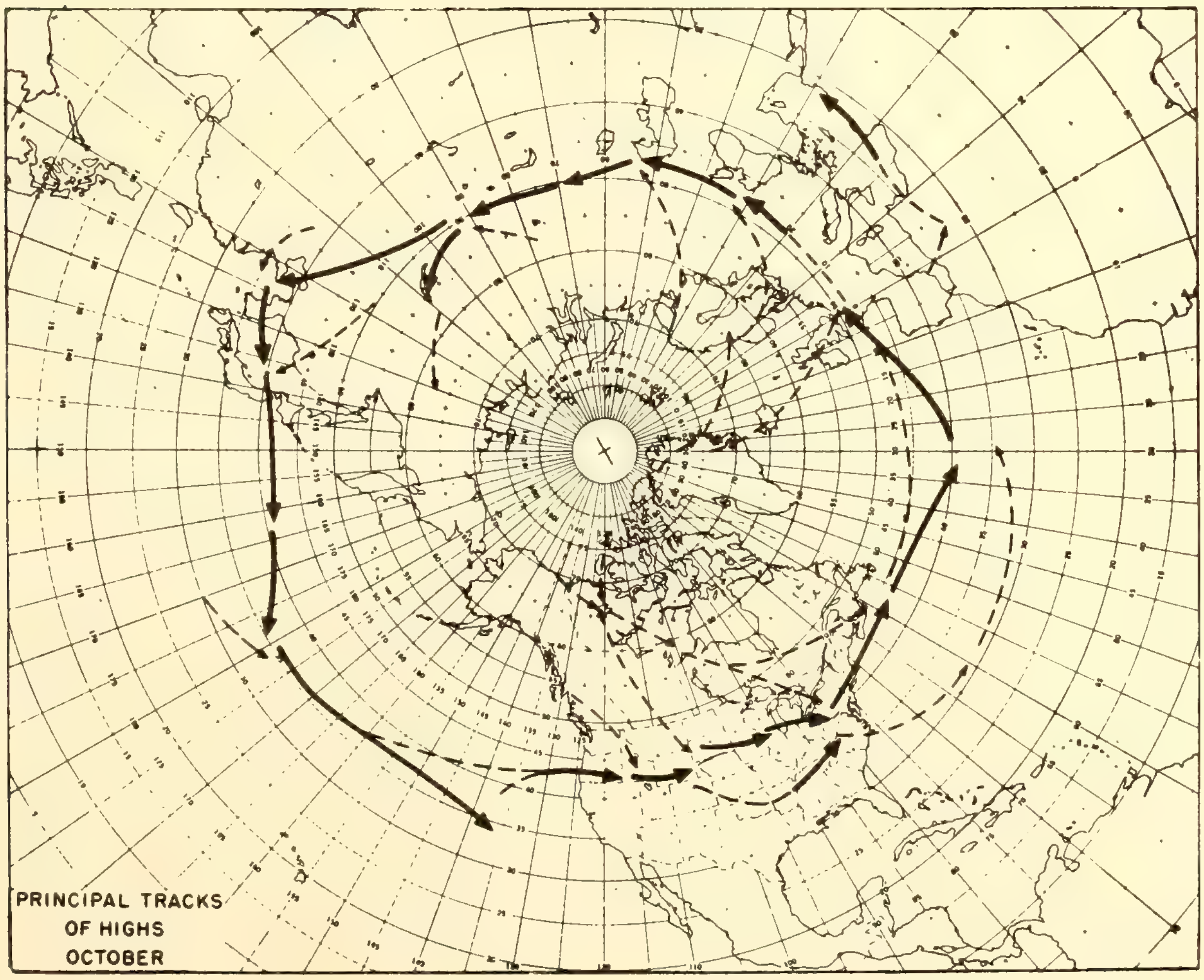
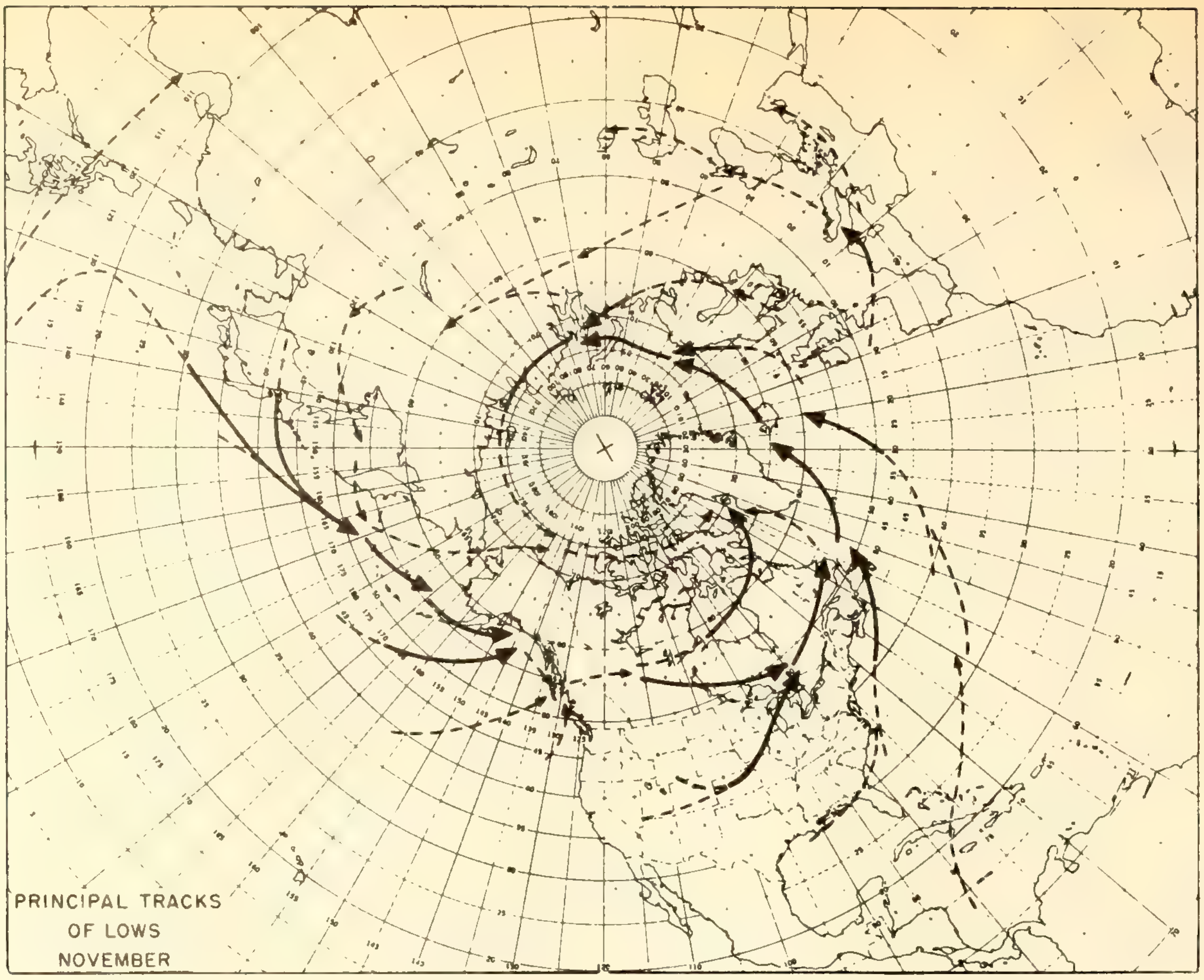


Figure II-10.--Principal tracks of highs and lows by month: October.



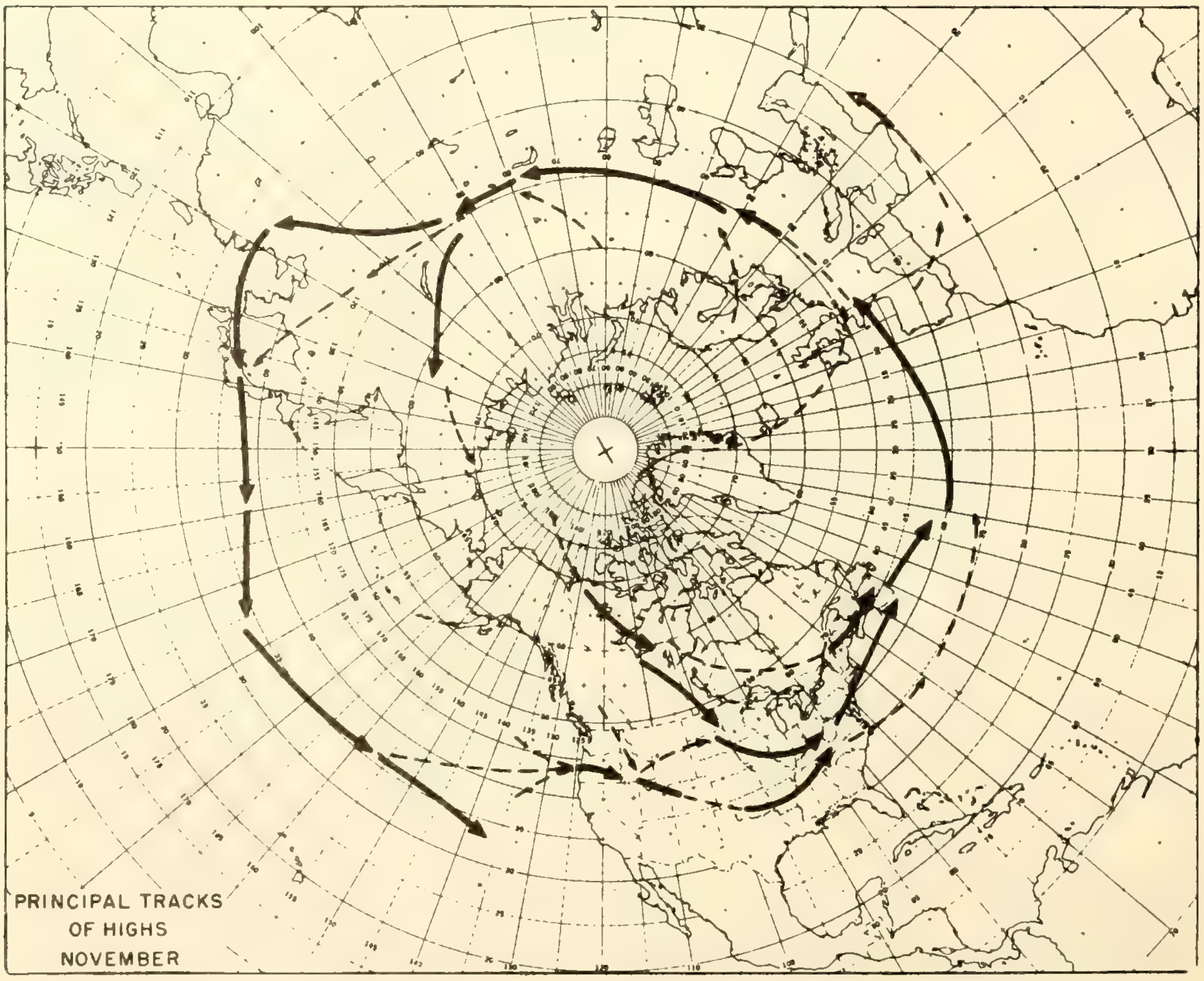
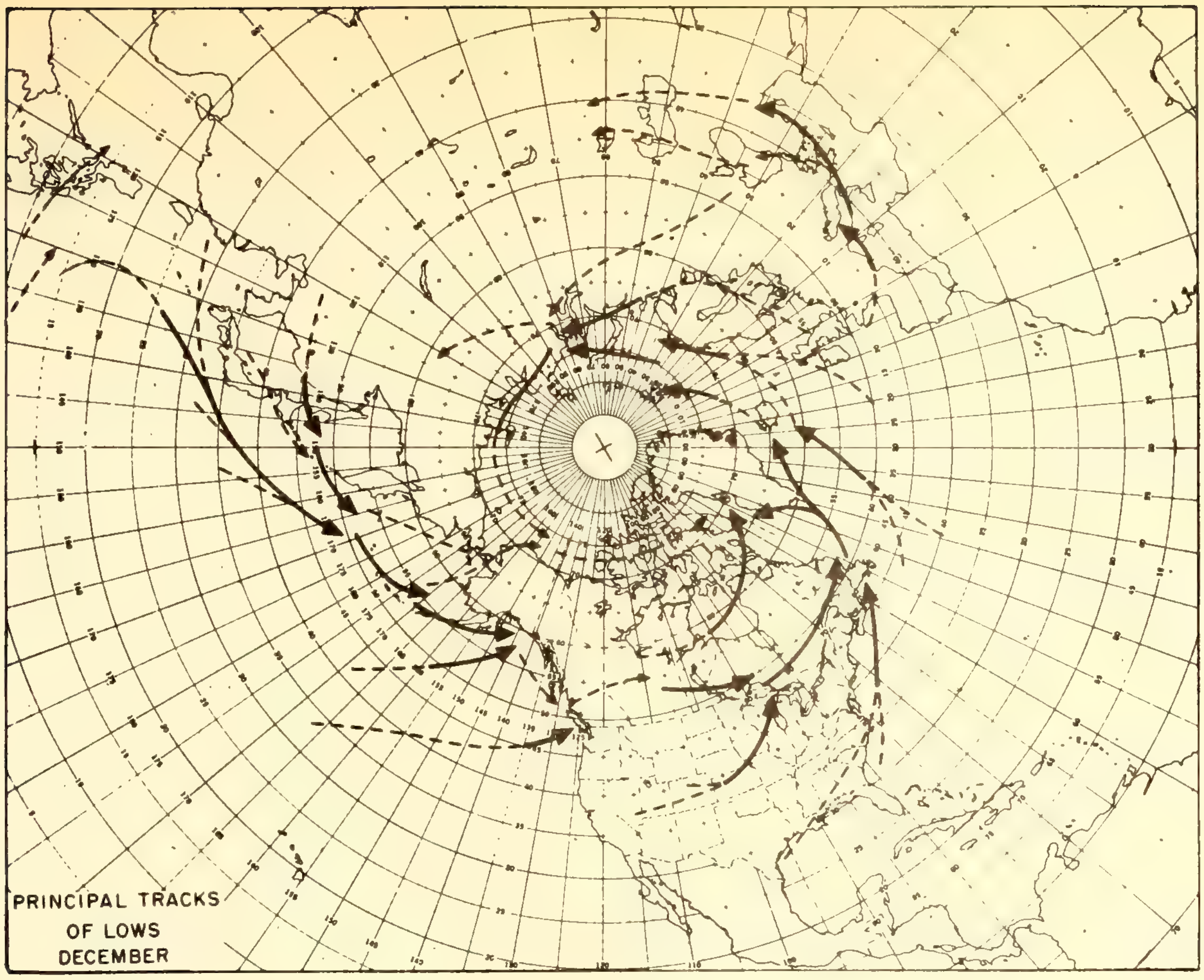


Figure II-11.--Principal tracks of highs and lows by month: November.



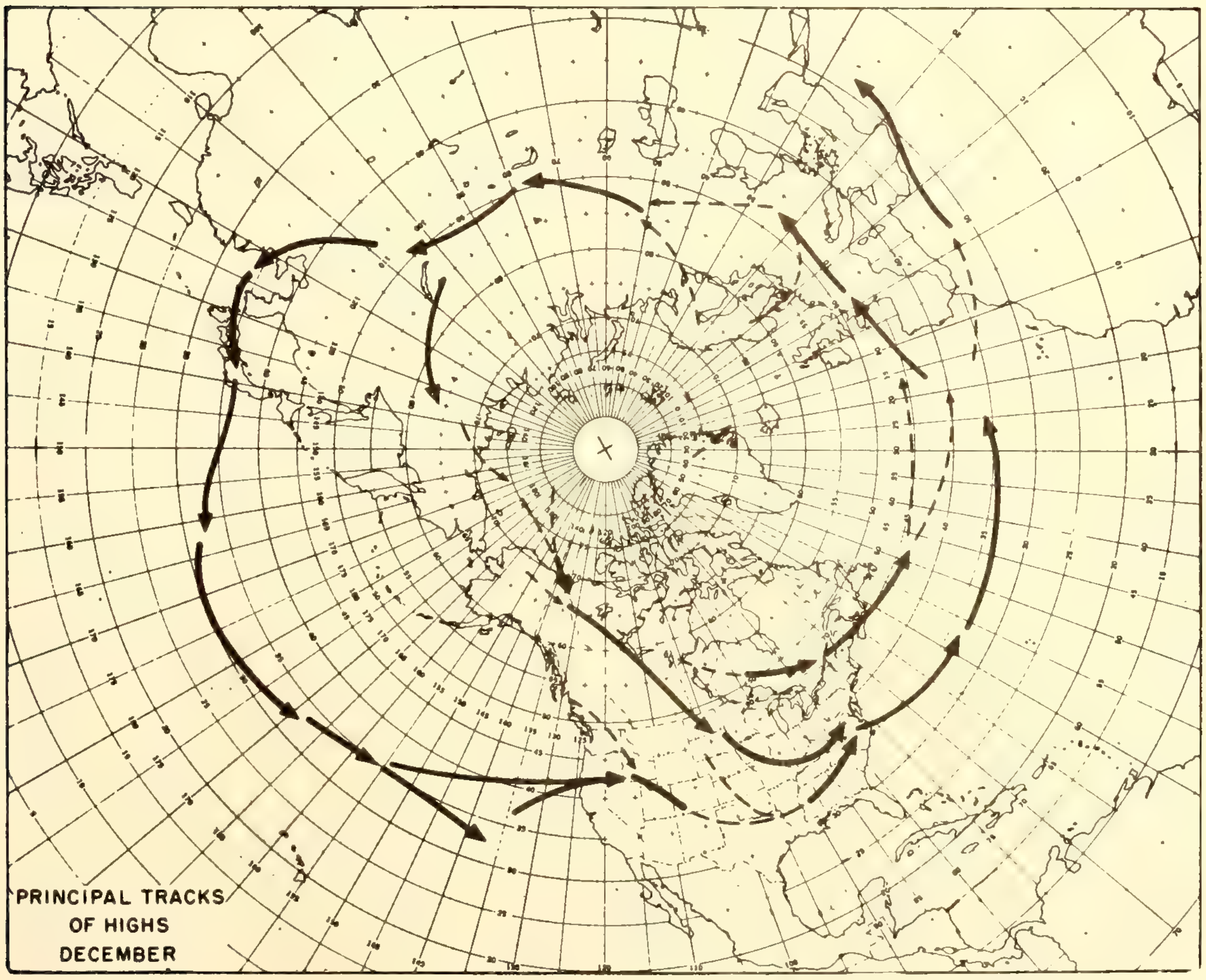


Figure II-12.--Principal tracks of highs and lows by month: December.

Table II-1.--Frequency of cyclone occurrence, origin, and number of cyclone days by months by 5° latitude and longitude areas

JANUARY

Latitude (°N)		145-140	140-135	135-130	130-125	125-120	120-115	115-110	110-105	105-100	100-95	95-90	90-85	85-80	80-75	75-70	70-65	65-60	60-55	55-50	50-45	45-40
		Longitude (°W)																				
60-65	A	25	20	9	9	8	9	9	9	8	10	12	11	8	8	11	14	17	22	40	44	38
	B	49	15	7	12	15	12	27	6	17	20	21	26	17	12	17	24	29	44	99	98	69
	C	6	2	2	2	3	3	4	4	3	3	2	2	2	2	2	3	4	8	10	7	6
55-60	A	41	34	24	14	11	17	18	11	10	10	9	13	7	4	7	8	9	10	16	22	25
	B	100	81	50	31	24	33	49	28	29	25	26	34	16	18	17	17	21	22	42	45	54
	C	8	5	2	0	5	10	9	4	3	5	5	2	1	0	1	1	0	2	4	4	3
50-55	A	19	23	24	22	17	16	26	27	21	16	18	21	18	14	14	14	16	21	23	18	13
	B	50	64	73	70	25	22	71	66	51	38	34	48	44	34	28	37	39	58	60	45	44
	C	1	2	4	4	3	8	13	13	8	3	3	0	2	0	2	1	1	1	2	2	2
45-50	A	13	15	24	31	16	9	12	9	8	9	20	25	28	31	19	18	20	19	22	18	19
	B	27	37	44	78	28	22	29	24	30	37	41	53	59	52	42	40	50	37	49	37	46
	C	3	4	3	9	3	1	2	3	3	3	5	3	6	4	3	3	3	3	3	4	4
40-45	A	9	9	14	20	12	11	20	16	21	12	16	19	20	18	18	22	23	18	14	15	14
	B	16	18	24	39	22	20	38	28	31	22	27	37	47	31	24	46	41	37	31	37	32
	C	1	3	3	6	3	2	3	5	9	4	3	2	6	6	4	8	1	3	3	4	3
35-40	A	8	10	9	9	8	12	20	12	19	14	11	11	12	10	22	19	16	14	10	9	9
	B	19	24	20	25	12	18	52	37	33	29	29	30	21	23	46	46	39	30	34	25	21
	C	3	3	4	3	2	5	5	2	6	7	4	4	6	7	7	4	5	6	3	3	5
30-35	A	6	6	6	5	4	5	7	8	9	13	9	9	9	13	13	11	9	9	8	7	6
	B	13	13	7	6	10	11	17	14	18	23	17	27	16	27	34	22	13	8	8	14	9
	C	3	4	3	2	0	4	3	2	5	5	4	4	3	8	8	4	5	4	4	2	2
25-30	A	4	3	3	2	0	0	3	4	9	9	8	5	5	5	6	6	5	5	4	5	6
	B	6	4	1	5	2	2	6	10	18	10	16	18	9	11	10	6	7	6	3	10	13
	C	1	2	2	1	0	0	1	3	6	5	7	5	3	4	4	4	3	2	1	0	1
20-25	A	1	0	0	0	0	0	0	0	3	5	4	3	0	0	1	1	2	3	0	2	2
	B	2	0	1	1	0	0	1	0	8	5	3	4	0	0	0	2	2	2	2	1	3
	C	0	0	0	0	0	0	0	0	3	1	0	2	0	0	0	0	1	0	0	0	0
15-20	A	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	1	0	0	0	0
	B	0	0	0	0	0	0	0	1	1	2	4	1	0	0	0	0	1	0	0	1	0
	C	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0

A - No. of Lows in 20 years

B - No. of Days with Lows in 40 years

C - No. of Cyclones originating in 20 years

Table II-1.--Continued

FEBRUARY

Latitude (°N)		Longitude (°W) 145-140	140-135	135-130	130-125	125-120	120-115	115-110	110-105	105-100	100-95	95-90	90-85	85-80	80-75	75-70	70-65	65-60	60-55	55-50	50-45	45-40
60-65	A	24	15	8	8	11	13	14	12	9	9	10	11	10	7	9	14	19	25	31	29	26
	B	30	18	11	15	15	29	15	26	14	18	15	32	18	14	24	26	38	61	96	64	59
	C	4	4	3	2	3	3	5	5	3	2	2	2	1	1	1	0	2	4	5	3	2
55-60	A	40	26	13	9	13	16	21	18	14	12	10	12	10	5	7	8	9	13	19	21	18
	B	83	56	42	21	28	24	46	22	31	28	18	21	16	16	22	24	20	25	33	42	37
	C	4	3	3	3	3	5	6	4	3	3	3	3	1	0	1	2	1	0	0	2	1
50-55	A	18	14	14	15	8	10	20	19	14	14	13	14	15	14	14	9	14	20	20	17	14
	B	52	56	48	36	24	19	51	37	31	38	23	37	32	24	22	24	36	50	50	43	42
	C	2	2	4	3	8	7	12	12	6	4	3	3	1	0	0	2	0	1	1	2	3
45-50	A	11	11	14	24	4	10	3	5	7	11	18	25	23	20	21	17	19	26	31	19	18
	B	23	36	45	63	10	24	14	18	16	33	37	49	52	36	41	34	47	46	61	39	38
	C	4	0	1	3	3	2	2	2	2	4	4	4	4	3	2	1	3	6	3	3	3
40-45	A	14	13	14	10	4	8	19	21	16	21	17	22	21	16	16	22	24	25	24	16	21
	B	22	23	31	26	16	30	32	31	27	31	35	37	43	32	28	50	49	51	57	21	39
	C	2	3	5	2	1	6	7	5	3	6	6	5	3	5	2	0	2	9	6	8	4
35-40	A	11	9	9	9	6	10	29	20	20	18	11	15	10	10	23	21	14	12	14	9	8
	B	19	13	20	24	19	23	76	44	43	30	26	31	18	22	48	41	38	25	31	17	13
	C	0	2	2	2	3	7	12	4	4	11	6	3	3	10	4	4	4	7	5	7	3
30-35	A	8	9	9	7	4	5	7	7	8	11	9	11	9	12	9	9	8	7	8	6	5
	B	13	14	14	13	13	18	18	18	18	19	24	24	23	24	23	18	13	9	9	11	4
	C	1	3	0	4	3	4	7	6	5	6	3	0	7	7	5	3	3	4	3	2	2
25-30	A	4	5	4	2	0	0	1	1	4	10	12	7	5	5	4	4	2	3	4	2	1
	B	4	6	3	2	3	2	2	7	14	14	31	16	8	12	6	5	2	2	2	1	2
	C	3	3	1	1	0	0	1	3	6	9	3	3	3	2	2	2	2	2	2	0	1
20-25	A	0	1	0	0	0	0	0	0	0	5	6	4	1	0	0	2	0	1	2	1	0
	B	0	0	2	0	0	0	0	3	4	8	5	2	2	1	0	1	0	2	1	1	0
	C	1	1	0	0	0	0	1	1	2	6	4	2	0	0	1	0	1	0	1	0	1
15-20	A	0	1	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0
	B	0	1	0	1	0	0	0	0	1	3	2	1	0	0	0	0	0	0	0	1	0
	C	0	0	0	0	0	1	1	0	0	2	2	0	0	0	0	0	0	0	1	0	0

A - No. of Lows in 20 years

B - No. of Days with Lows in 40 years

C - No. of Cyclones originating in 20 years

Table II-1.--Continued

MARCH

Latitude (°N)		Longitude (°W) 145-140	140-135	135-130	130-125	125-120	120-115	115-110	110-105	105-100	100-95	95-90	90-85	85-80	80-75	75-70	70-65	65-60	60-55	55-50	50-45	45-40
60-65	A	26	20	15	11	12	12	13	13	11	9	8	8	7	8	9	13	18	24	31	30	23
	B	44	37	18	18	20	23	24	18	15	20	7	14	14	23	18	20	27	56	88	85	56
	C	3	4	0	1	4	8	9	6	4	3	2	1	1	0	1	3	5	8	7	4	3
55-60	A	37	28	20	13	14	17	20	20	16	15	13	12	10	10	12	11	9	8	13	18	16
	B	88	62	49	34	34	30	43	39	31	28	30	29	25	24	20	30	22	26	25	38	39
	C	8	4	2	1	3	5	6	6	5	3	2	1	0	0	0	1	2	2	2	3	3
50-55	A	20	18	14	19	15	16	21	22	20	17	14	13	14	14	14	14	19	26	26	19	18
	B	64	58	57	46	44	37	59	59	51	37	45	34	34	30	31	36	42	63	64	39	46
	C	1	0	2	3	3	5	7	6	3	4	3	4	0	0	1	1	1	0	1	2	4
45-50	A	13	12	13	13	10	4	9	10	14	15	18	21	22	19	19	23	12	31	19	18	21
	B	33	28	45	46	25	14	21	24	27	29	28	57	44	43	29	55	43	66	34	41	54
	C	1	2	3	4	0	1	2	2	3	5	4	7	4	1	2	2	2	2	2	1	0
40-45	A	9	9	9	9	10	16	23	20	16	21	14	20	25	22	22	12	25	31	26	25	21
	B	23	18	19	25	21	42	46	41	42	40	35	47	43	36	35	43	53	56	48	45	47
	C	1	3	6	3	1	3	7	7	6	6	3	2	3	5	3	5	4	3	5	2	6
35-40	A	7	7	6	7	9	16	26	20	16	22	14	10	11	21	19	20	20	19	17	15	10
	B	19	18	21	34	23	29	79	51	48	54	37	24	30	38	34	36	38	39	29	30	23
	C	3	3	3	4	3	4	13	12	7	6	2	5	4	4	8	8	6	3	6	4	4
30-35	A	4	4	4	4	5	7	10	9	13	16	12	8	11	13	11	9	8	8	9	9	8
	B	8	13	8	12	7	13	25	18	26	32	25	13	22	27	26	15	13	9	11	10	12
	C	3	4	4	2	1	3	4	4	4	7	4	5	6	6	4	6	3	3	3	3	1
25-30	A	3	2	2	1	0	0	1	6	10	11	8	6	6	6	6	5	5	5	5	6	6
	B	7	4	2	2	2	1	5	14	31	21	8	13	2	7	5	5	5	9	2	2	5
	C	3	3	2	1	0	0	0	1	5	7	10	6	3	8	3	2	0	1	1	0	1
20-25	A	1	1	0	0	0	0	1	4	7	11	7	4	0	0	1	0	1	0	1	4	4
	B	2	2	0	1	0	2	2	3	6	17	9	2	2	1	1	0	1	0	1	1	2
	C	1	0	0	0	0	0	0	0	0	5	3	0	1	1	0	1	0	1	1	0	0
15-20	A	0	0	0	0	0	0	0	0	2	4	4	1	0	0	0	0	0	0	1	1	1
	B	0	0	0	2	1	0	0	1	2	2	2	1	0	0	1	0	0	0	1	1	1
	C	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0

A - No. of Lows in 20 years

B - No. of Days with Lows in 40 years

C - No. of Cyclones originating in 20 years

Table II-1.--Continued

Longitude (°W)

APRIL

Latitude (°N)		145-140	140-135	135-130	130-125	125-120	120-115	115-110	110-105	105-100	100-95	95-90	90-85	85-80	80-75	75-70	70-65	65-60	60-55	55-50	50-45	45-40
60-65	A	27	18	14	14	14	10	9	10	11	11	10	10	12	14	14	15	17	19	32	25	19
	B	47	37	24	20	32	32	24	14	14	29	21	23	21	17	29	20	35	32	82	58	49
	C	2	2	2	4	6	6	4	1	1	2	1	1	2	5	4	3	3	6	5	3	2
55-60	A	35	17	9	9	4	18	21	20	18	17	14	11	7	7	10	12	16	19	20	19	18
	B	77	45	38	24	34	42	42	43	37	31	28	22	22	20	10	24	24	37	34	41	41
	C	4	2	1	0	2	4	6	6	4	0	3	3	1	0	1	1	2	2	2	0	0
50-55	A	25	17	20	14	10	14	22	24	24	22	18	14	10	7	14	17	20	22	18	16	18
	B	65	58	51	29	24	37	70	63	50	48	34	34	29	36	37	39	50	58	44	41	37
	C	2	0	4	2	5	6	12	11	6	3	3	5	1	0	0	0	2	1	0	0	0
45-50	A	16	14	12	10	8	10	16	12	10	16	19	22	19	11	17	30	30	19	17	20	23
	B	38	29	31	17	10	24	33	25	33	37	49	59	45	43	30	63	52	50	43	38	44
	C	3	3	3	2	3	3	5	6	3	3	3	3	2	1	1	3	4	0	1	3	3
40-45	A	10	13	9	8	8	13	22	32	20	31	26	23	19	16	19	25	17	21	23	22	22
	B	20	27	18	18	12	30	41	52	38	55	50	47	38	39	34	57	54	57	58	46	55
	C	3	2	1	0	2	6	10	13	6	10	4	2	4	2	3	3	3	4	3	5	7
35-40	A	9	11	9	6	7	13	23	22	22	28	17	14	9	14	24	30	20	15	14	12	12
	B	15	22	12	9	6	43	80	47	58	52	38	34	20	35	46	57	42	37	29	16	18
	C	3	4	0	1	3	6	15	9	7	6	3	3	4	4	9	10	5	4	3	4	4
30-35	A	6	6	5	3	4	6	12	16	9	13	10	9	9	13	12	9	9	8	8	7	7
	B	8	11	7	3	3	13	42	38	33	25	22	15	16	27	24	13	14	16	12	7	13
	C	1	2	0	1	1	4	9	7	7	5	3	3	6	10	12	4	3	3	2	3	3
25-30	A	1	1	1	0	0	0	5	7	8	9	7	6	5	6	4	4	4	4	4	4	5
	B	2	1	2	0	0	1	15	14	31	20	8	8	5	9	5	10	8	3	6	4	6
	C	0	0	1	0	0	1	4	5	6	5	1	2	4	4	3	2	3	3	1	1	1
20-25	A	0	0	0	0	0	0	1	4	7	12	7	4	1	1	0	0	0	0	0	1	1
	B	1	0	0	0	0	0	0	2	4	19	6	3	0	1	2	0	0	2	0	1	2
	C	0	0	0	0	0	0	1	2	3	10	2	1	1	1	1	0	0	0	0	0	0
15-20	A	0	0	0	0	0	0	0	1	3	6	5	4	1	0	0	0	0	0	0	0	1
	B	0	0	0	0	0	0	0	1	1	6	3	5	2	0	1	0	0	0	0	0	1
	C	0	0	0	0	0	0	0	1	2	3	3	1	0	0	0	0	1	1	1	0	0

A - No. of Lows in 20 years B - No. of Days with Lows in 40 years C - No. of Cyclones originating in 20 years

Table II-1.--Continued

Longitude (°W) MAY

Latitude (°N)		145-140	140-135	135-130	130-125	125-120	120-115	115-110	110-105	105-100	100-95	95-90	90-85	85-80	80-75	75-70	70-65	65-60	60-55	55-50	50-45	45-40
60-65	A	21	16	11	8	10	19	21	18	14	11	11	12	11	8	10	16	21	24	26	24	20
	B	63	30	24	24	23	30	30	27	21	5	27	26	18	18	26	26	32	46	78	49	41
	C	3	3	3	3	3	4	4	3	2	0	1	1	1	1	2	1	2	2	5	7	4
55-60	A	23	14	10	10	10	22	24	22	18	17	18	11	9	9	12	16	20	23	21	19	18
	B	62	35	20	29	41	56	58	58	29	41	26	26	26	28	20	26	33	42	43	49	41
	C	2	3	4	4	3	6	9	4	2	1	0	0	1	3	3	3	1	0	0	1	1
50-55	A	22	21	19	16	15	20	21	19	18	21	23	19	14	17	20	20	19	24	24	27	25
	B	59	59	45	31	28	48	74	58	59	50	43	30	37	51	42	45	44	64	74	72	65
	C	3	3	3	3	3	4	12	5	2	2	3	2	3	5	4	3	3	1	1	1	2
45-50	A	10	9	10	11	9	9	11	14	17	19	23	19	19	27	25	29	33	24	14	18	25
	B	25	30	20	29	9	10	27	32	40	40	41	45	36	54	54	64	63	51	48	45	56
	C	1	0	1	1	2	3	5	4	1	0	6	3	3	5	3	9	7	3	3	3	3
40-45	A	7	7	7	6	8	15	19	16	20	24	27	23	16	18	18	26	26	25	21	21	15
	B	14	7	12	11	7	45	41	37	43	56	48	43	40	33	30	59	49	53	54	50	36
	C	1	2	2	0	1	8	7	4	4	3	10	3	2	4	6	7	4	6	7	3	4
35-40	A	9	6	4	3	5	14	26	18	16	16	14	12	9	13	19	17	14	14	14	9	8
	B	14	9	8	5	11	44	75	50	54	53	36	18	16	29	39	37	37	40	39	20	14
	C	2	1	1	2	5	11	11	7	8	6	9	3	4	9	10	6	6	6	7	3	3
30-35	A	5	4	3	1	0	4	11	20	25	9	8	8	8	9	9	9	8	7	6	6	5
	B	5	4	4	3	1	13	96	61	49	10	13	18	14	25	12	8	12	7	6	7	4
	C	1	0	1	0	0	2	9	15	15	4	3	3	3	5	4	3	3	0	2	1	1
25-30	A	1	2	2	2	1	0	4	9	11	9	7	6	5	6	6	5	4	4	3	2	1
	B	2	2	2	1	1	0	18	44	30	14	6	10	11	6	11	6	4	3	2	2	0
	C	0	0	0	0	0	0	2	5	8	6	1	0	0	0	2	2	1	2	1	1	0
20-25	A	0	0	0	0	0	0	0	1	5	6	7	5	2	2	3	1	1	0	0	0	0
	B	1	0	0	0	0	0	0	8	16	15	11	3	4	2	2	1	1	0	0	0	0
	C	0	0	0	0	0	0	0	1	3	6	2	1	1	1	1	1	0	0	0	0	0
15-20	A	0	0	0	0	0	0	0	1	4	8	8	5	1	0	1	1	0	0	0	0	0
	B	0	0	0	0	0	0	0	1	3	4	10	5	6	0	3	1	0	1	1	0	0
	C	0	0	0	0	0	0	0	0	2	3	5	3	0	0	1	1	0	0	0	0	0

A - No. of Lows in 20 years B - No. of Days with Lows in 40 years C - No. of Cyclones originating in 20 years

Table II-1.--Continued

JUNE

Latitude (°N)		Longitude (°W) 145-140	140-135	135-130	130-125	125-120	120-115	115-110	110-105	105-100	100-95	95-90	90-85	85-80	80-75	75-70	70-65	65-60	60-55	55-50	50-45	45-40
60-65	A	18	14	11	12	14	16	17	14	13	13	13	14	15	18	21	22	22	23	23	22	18
	B	41	37	35	43	34	32	37	32	23	30	37	47	18	24	46	40	55	46	58	44	44
	C	4	4	2	2	3	5	5	5	3	3	2	2	2	3	2	2	3	3	4	7	5
55-60	A	20	9	9	10	9	14	21	25	23	23	21	18	16	17	17	16	18	17	17	19	20
	B	43	38	22	28	39	50	60	62	38	49	39	29	41	42	42	39	46	39	49	45	51
	C	3	2	1	0	3	6	7	6	3	1	2	3	4	3	4	1	2	2	0	2	2
50-55	A	25	19	14	15	16	20	36	41	30	19	19	20	16	17	18	23	26	23	23	21	19
	B	59	41	32	29	35	41	76	96	60	54	45	39	34	50	44	64	45	56	65	67	61
	C	4	5	2	3	5	6	9	11	5	0	1	2	3	3	2	1	2	3	2	0	1
45-50	A	12	12	11	10	9	9	10	18	20	17	16	15	18	20	19	30	29	23	22	26	20
	B	27	29	26	19	13	16	27	38	61	32	32	45	43	63	42	57	54	54	48	60	47
	C	2	3	2	3	4	6	5	8	9	6	5	5	4	5	5	3	5	3	3	4	2
40-45	A	7	6	6	5	7	14	29	17	18	29	20	14	16	16	17	25	24	17	30	17	14
	B	10	13	10	5	10	24	43	25	33	51	41	30	37	29	34	51	48	41	58	32	22
	C	1	1	1	2	4	11	12	7	7	10	11	5	5	6	9	11	8	3	8	6	3
35-40	A	3	3	2	1	3	15	29	15	15	17	8	5	5	9	20	20	17	11	9	7	9
	B	6	7	3	1	5	47	70	29	37	38	16	15	19	23	46	39	44	24	18	19	13
	C	0	0	1	0	0	5	21	8	7	10	6	3	3	4	11	8	7	5	3	3	2
30-35	A	0	0	0	0	0	3	12	14	9	6	3	3	5	11	9	8	7	5	4	2	0
	B	0	0	0	0	0	23	172	94	28	9	11	13	6	20	18	11	10	2	2	3	3
	C	0	0	0	0	0	0	8	9	9	5	3	2	3	8	5	2	4	0	0	1	0
25-30	A	0	0	0	0	0	0	3	6	8	3	8	4	5	6	4	1	0	0	0	0	0
	B	0	0	0	0	0	0	31	75	23	10	15	11	14	5	4	2	1	0	0	1	2
	C	0	0	0	0	0	0	0	2	5	2	4	2	1	3	2	0	0	0	0	0	0
20-25	A	0	0	0	0	0	0	1	3	3	4	4	3	0	2	0	0	0	0	0	0	0
	B	0	0	0	0	0	1	2	11	7	9	12	7	5	2	0	3	1	0	0	0	0
	C	0	0	0	0	0	0	0	1	2	2	1	2	1	1	0	0	0	0	0	0	0
15-20	A	0	0	0	0	0	0	3	6	7	5	4	5	2	2	1	0	0	0	0	0	0
	B	0	0	0	0	1	1	4	11	12	7	7	15	9	2	1	0	1	0	0	0	0
	C	0	0	0	0	0	0	0	1	3	4	3	3	3	0	0	0	0	0	0	0	0

A - No. of Lows in 20 years B - No. of Days with Lows in 40 years C - No. of Cyclones originating in 20 years

Table II-1.--Continued

Longitude (°W)

JULY

Latitude (°N)		145–140	140–135	135–130	130–125	125–120	120–115	115–110	110–105	105–100	100–95	95–90	90–85	85–80	80–75	75–70	70–65	65–60	60–55	55–50	50–45	45–40
60–65	A	19	16	15	20	27	21	18	25	27	19	17	18	18	21	22	21	20	24	31	29	22
	B	37	41	29	38	46	38	46	63	23	58	46	58	30	34	58	46	50	32	59	34	44
	C	3	4	3	3	3	5	5	4	3	3	3	3	3	2	1	0	0	2	2	3	5
55–60	A	33	16	9	9	15	18	17	24	31	31	26	23	19	17	20	25	30	28	26	22	19
	B	52	37	22	31	33	50	52	62	54	76	54	60	50	46	63	56	60	47	54	49	55
	C	6	3	2	3	3	5	7	7	7	5	3	5	3	2	1	0	3	3	1	0	0
50–55	A	17	20	13	8	10	15	21	30	25	20	18	17	16	17	21	24	27	30	30	26	23
	B	38	43	23	17	21	36	51	66	28	46	36	28	44	54	53	60	72	65	70	60	60
	C	3	2	2	3	5	3	8	10	6	3	3	2	0	2	5	3	3	3	2	2	2
45–50	A	6	6	7	7	7	10	9	11	16	20	17	14	15	16	20	23	24	22	19	23	10
	B	16	11	8	13	3	26	17	40	34	31	38	40	30	45	39	55	62	50	45	47	29
	C	1	0	0	2	3	9	4	3	6	9	5	4	3	3	3	6	9	6	3	6	4
40–45	A	0	2	3	3	6	10	15	2	14	29	9	11	12	15	24	24	17	14	17	16	10
	B	1	2	3	1	17	30	30	12	19	52	21	32	25	35	45	47	42	28	33	22	26
	C	0	0	1	2	3	7	12	0	4	16	8	5	7	6	12	6	5	7	9	4	5
35–40	A	1	3	0	0	3	11	10	2	7	14	9	9	8	10	17	14	9	7	7	6	4
	B	2	1	1	1	8	72	43	12	19	19	16	16	13	24	34	30	16	9	8	7	2
	C	2	0	0	0	1	8	6	2	6	7	3	5	3	5	6	5	3	3	3	2	0
30–35	A	1	0	1	0	0	6	11	9	10	9	8	7	7	8	8	7	6	4	1	0	0
	B	1	0	3	0	0	63	256	77	12	7	9	8	14	17	13	1	3	1	2	1	0
	C	0	0	1	0	0	3	10	5	8	5	3	3	3	5	2	1	1	1	1	0	0
25–30	A	0	0	0	0	0	0	5	3	1	3	5	5	1	1	1	0	1	1	0	0	0
	B	0	0	0	0	0	1	53	62	12	5	7	14	7	8	5	0	1	1	0	0	0
	C	0	0	0	0	0	0	5	1	0	2	2	1	1	1	0	0	0	0	0	0	0
20–25	A	0	0	0	1	2	2	3	2	1	3	3	0	0	0	0	0	0	0	0	0	0
	B	0	0	1	2	2	2	8	8	4	5	5	4	2	5	2	2	1	0	0	2	0
	C	0	0	0	0	0	1	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0
15–20	A	0	1	1	1	2	3	4	5	3	3	3	3	2	0	0	0	0	0	0	0	0
	B	0	1	1	5	4	4	8	16	8	1	4	4	1	0	1	4	1	0	1	0	0
	C	0	0	0	0	0	1	2	1	1	1	3	2	2	0	0	0	0	0	0	0	0

A - No. of Lows in 20 years   B - No. of Days with Lows in 40 years   C - No. of Cyclones originating in 20 years

Table II-1.--Continued

AUGUST

Latitude (°N)		Longitude (°W) 145-140	140-135	135-130	130-125	125-120	120-115	115-110	110-105	105-100	100-95	95-90	90-85	85-80	80-75	75-70	70-65	65-60	60-55	55-50	50-45	45-40
60-65	A	21	18	16	14	15	24	35	28	20	19	23	26	19	20	21	24	25	26	24	22	22
	B	63	32	43	32	41	66	64	52	53	34	63	59	43	35	46	43	59	37	53	59	43
	C	4	3	2	2	4	9	6	3	3	7	7	4	3	3	2	3	3	4	7	5	3
55-60	A	20	14	9	7	8	17	24	24	23	33	39	30	19	16	16	17	15	16	16	15	20
	B	56	39	16	31	25	50	50	50	63	81	67	55	43	45	38	54	51	52	51	56	49
	C	3	3	2	1	0	5	6	5	3	4	4	3	3	2	3	3	2	2	1	1	2
50-55	A	13	14	13	11	8	11	12	18	17	18	19	18	16	17	21	22	24	24	23	20	17
	B	29	41	24	20	13	35	45	58	42	31	37	28	43	45	41	63	53	64	48	44	45
	C	3	3	5	4	3	5	6	6	5	1	5	3	3	2	0	1	3	2	1	1	1
45-50	A	8	8	8	7	6	7	7	10	15	17	16	11	10	12	10	17	21	16	16	15	13
	B	14	19	18	9	7	21	20	28	40	40	27	25	48	37	26	37	40	39	39	31	41
	C	3	4	2	1	2	3	5	7	7	6	5	3	5	3	3	4	5	3	3	3	1
40-45	A	5	4	3	1	5	16	16	7	14	21	15	10	8	9	15	21	20	26	26	11	11
	B	5	6	4	0	12	34	39	8	34	41	30	14	16	24	29	45	41	54	40	31	32
	C	2	2	1	0	3	9	13	3	11	11	6	3	3	4	6	6	7	5	5	3	4
35-40	A	4	1	0	0	4	10	6	6	9	9	9	7	7	9	21	16	14	13	9	7	8
	B	3	3	1	1	17	62	14	7	26	22	11	12	12	21	43	35	26	25	17	14	17
	C	0	0	0	0	5	9	5	3	6	6	4	4	3	6	9	6	4	6	3	2	2
30-35	A	1	2	0	0	0	0	5	10	8	6	4	7	9	12	9	8	7	4	0	0	2
	B	1	3	1	1	0	76	204	61	7	7	5	10	17	27	20	16	8	5	1	3	3
	C	1	0	0	0	0	1	5	6	3	1	0	2	6	10	3	0	1	1	0	0	0
25-30	A	0	2	0	0	0	1	4	9	8	6	5	6	8	8	7	6	4	0	0	0	0
	B	1	1	0	0	2	2	82	78	12	5	16	11	7	12	4	4	4	4	2	2	2
	C	0	0	0	0	0	1	2	5	3	2	3	4	3	3	1	0	0	0	0	1	1
20-25	A	1	2	2	2	3	4	3	3	4	6	5	4	4	6	6	5	3	2	1	2	0
	B	1	1	2	2	1	4	12	15	5	10	7	6	7	5	5	5	2	2	2	2	0
	C	0	0	0	0	0	1	2	3	3	5	3	2	1	1	1	1	1	0	1	0	0
15-20	A	2	2	2	3	5	4	3	3	3	3	3	4	4	3	2	2	2	2	1	0	0
	B	2	1	2	3	14	10	10	12	10	4	2	2	7	4	7	5	5	4	3	2	1
	C	0	0	0	0	1	1	2	2	2	3	2	3	1	0	0	1	1	3	0	0	0

A - No. of Lows in 20 years B - No. of Days with Lows in 40 years C - No. of Cyclones originating in 20 years

Table II-1.--Continued

Longitude (°W) SEPTEMBER

Latitude (°N)		145-140	140-135	135-130	130-125	125-120	120-115	115-110	110-105	105-100	100-95	95-90	90-85	85-80	80-75	75-70	70-65	65-60	60-55	55-50	50-45	45-40
60–65	A	23	17	12	12	14	18	26	26	17	20	27	25	24	24	25	26	28	27	26	24	24
	B	38	35	26	43	29	43	35	44	27	32	50	61	35	43	61	53	47	46	67	66	52
	C	1	0	1	2	3	3	5	5	3	2	4	3	2	1	2	2	3	5	5	4	3
55–60	A	26	20	12	9	9	15	26	20	20	31	26	19	14	13	16	19	21	20	19	18	19
	B	76	51	31	22	29	45	54	42	55	41	60	45	45	34	45	33	39	54	45	52	47
	C	2	0	1	2	3	6	8	4	3	2	3	3	0	0	1	1	2	2	1	1	2
50–55	A	10	9	12	13	9	10	19	17	17	15	12	19	16	12	12	14	16	18	23	21	17
	B	30	27	31	29	19	23	51	49	42	39	36	48	32	29	36	39	37	49	48	49	43
	C	1	1	1	4	3	0	4	6	4	4	3	2	1	0	0	1	2	2	1	1	2
45–50	A	6	6	7	10	8	10	8	8	16	20	12	12	14	13	9	13	18	17	18	17	14
	B	9	18	22	28	17	24	15	23	38	44	26	40	32	37	30	30	41	40	43	29	31
	C	0	1	0	3	4	5	2	3	7	7	3	3	3	2	2	3	3	3	2	3	3
40–45	A	4	4	4	4	5	10	24	7	9	25	16	12	10	10	9	12	25	19	14	12	9
	B	9	7	10	10	6	33	38	17	19	46	35	34	25	32	14	30	47	30	44	31	24
	C	1	1	2	1	2	3	14	7	3	9	7	5	3	5	3	6	6	5	3	5	5
35–40	A	1	0	0	1	5	9	8	5	9	9	7	7	7	8	11	10	12	12	10	7	6
	B	3	3	2	3	15	46	27	17	21	27	7	10	8	13	34	32	29	29	28	21	7
	C	1	0	0	1	3	6	4	3	4	9	4	2	3	3	3	5	4	5	3	3	0
30–35	A	0	0	0	0	3	6	9	9	8	7	4	6	4	8	9	8	7	6	5	4	3
	B	1	1	0	2	3	45	160	32	12	4	12	18	14	19	29	28	17	13	17	13	9
	C	0	0	0	0	0	1	3	8	3	3	2	0	0	3	3	3	2	2	2	1	0
25–30	A	1	0	0	1	1	4	6	8	7	4	7	7	4	7	7	6	4	3	0	0	0
	B	2	0	0	2	2	11	59	67	17	6	15	31	15	18	15	15	14	4	6	5	4
	C	0	0	0	0	0	0	1	3	5	3	4	2	1	1	2	2	1	1	0	0	0
20–25	A	1	0	0	0	0	4	7	9	8	7	4	6	7	5	4	4	4	3	2	1	0
	B	0	0	0	1	2	8	20	32	12	14	10	18	16	12	15	17	15	10	7	1	0
	C	0	0	0	0	0	0	2	3	3	3	3	2	1	0	0	2	1	1	0	0	0
15–20	A	2	1	2	2	2	5	10	15	7	6	5	8	9	7	4	3	2	2	2	2	1
	B	1	1	1	3	7	10	17	28	17	9	18	14	15	7	11	13	10	10	5	2	1
	C	0	0	0	0	0	1	2	4	3	3	6	3	3	1	0	0	1	1	0	0	0

A - No. of Lows in 20 years B - No. of Days with Lows in 40 years C - No. of Cyclones originating in 20 years

Table II-1.--Continued

Longitude (°W) OCTOBER

Latitude (°N)		145-140	140-135	135-130	130-125	125-120	120-115	115-110	110-105	105-100	100-95	95-90	90-85	85-80	80-75	75-70	70-65	65-60	60-55	55-50	50-45	45-40
60-65	A	26	17	14	14	16	19	19	17	15	18	20	16	14	17	24	27	31	32	31	27	24
	B	64	29	30	24	29	56	38	34	41	37	47	37	30	41	43	46	61	69	104	56	50
	C	5	0	1	3	4	5	5	3	3	4	3	2	1	1	1	2	3	4	5	5	4
55-60	A	33	20	10	9	10	17	29	20	19	24	18	22	20	19	17	17	16	16	18	21	20
	B	90	62	34	38	30	42	55	55	52	50	42	51	42	45	39	37	35	42	41	67	46
	C	7	3	3	4	4	5	9	8	4	3	3	0	0	1	0	1	1	0	0	2	4
50-55	A	26	19	14	9	8	13	17	18	20	24	18	22	24	20	16	22	23	18	29	17	19
	B	65	44	43	22	13	24	41	42	48	49	37	49	50	44	42	50	50	53	57	34	52
	C	2	2	2	2	2	4	6	8	7	4	3	4	3	1	1	1	1	2	1	2	5
45-50	A	16	14	12	12	9	7	5	10	15	19	17	19	18	17	16	17	19	16	20	6	14
	B	31	24	24	34	9	14	13	26	27	32	43	44	40	45	24	37	38	34	43	30	37
	C	0	2	3	2	1	3	2	3	5	6	4	3	3	2	1	1	1	1	2	0	2
40-45	A	9	10	8	7	7	9	10	12	14	13	12	13	14	13	13	21	27	22	15	22	16
	B	19	18	11	11	10	27	23	17	30	39	23	27	19	23	18	40	43	34	35	37	25
	C	3	3	3	1	4	7	4	4	6	7	4	3	6	4	0	5	8	8	6	5	4
35-40	A	6	5	4	4	7	13	21	14	11	10	8	8	9	9	13	14	10	15	10	9	8
	B	7	4	8	12	11	29	46	22	37	29	18	12	11	17	26	32	26	29	21	13	13
	C	2	1	2	4	4	7	12	7	9	7	5	3	3	3	6	6	2	5	5	3	4
30-35	A	3	2	0	2	4	7	10	8	7	7	6	6	7	11	9	8	7	8	7	6	6
	B	7	4	3	4	3	16	61	21	12	11	4	13	18	26	22	21	17	13	17	8	7
	C	2	0	0	0	2	3	7	6	3	4	0	3	2	7	6	3	0	2	3	2	1
25-30	A	0	0	0	0	0	1	4	7	12	9	7	6	6	7	6	5	4	5	5	4	4
	B	0	1	1	1	0	2	39	38	26	5	18	17	14	19	22	14	18	9	4	9	3
	C	0	0	0	0	0	0	3	4	5	0	2	4	1	2	3	3	4	0	0	1	0
20-25	A	0	0	0	0	0	0	3	8	8	6	6	8	8	6	4	1	0	2	2	0	1
	B	0	1	0	0	0	1	8	19	15	8	15	21	15	15	5	12	5	6	5	0	2
	C	0	0	0	0	0	0	1	3	3	2	1	2	2	1	2	2	1	3	2	1	1
15-20	A	1	0	0	0	0	2	5	4	4	7	7	10	13	7	4	0	0	0	2	0	0
	B	1	0	0	0	1	3	10	13	13	7	8	19	39	22	9	2	4	2	3	1	1
	C	0	0	0	0	0	0	1	2	3	1	1	7	6	3	1	0	0	1	0	0	0

A - No. of Lows in 20 years B - No. of Days with Lows in 40 years C - No. of Cyclones originating in 20 years

Table II-1.--Continued

NOVEMBER

Latitude (°N)		145-140	140-135	135-130	130-125	125-120	120-115	115-110	110-105	105-100	100-95	95-90	90-85	85-80	80-75	75-70	70-65	65-60	60-55	55-50	50-45	45-40
		Longitude (°W)																				
60-65	A	25	15	9	9	12	16	17	14	10	10	13	14	13	14	20	26	30	34	35	29	25
	B	44	29	15	20	30	35	29	35	15	32	35	21	35	24	27	41	53	67	105	78	46
	C	2	1	0	1	3	4	5	4	2	1	2	2	1	1	2	3	6	8	7	4	5
55-60	A	36	27	19	15	16	20	27	22	16	18	21	24	20	16	16	11	8	20	20	18	19
	B	118	75	39	39	37	38	47	56	54	45	41	55	47	29	28	25	28	30	34	31	45
	C	6	5	3	2	4	10	13	7	1	4	5	3	1	0	1	1	1	2	0	0	5
50-55	A	24	30	31	24	15	9	20	20	16	20	22	25	14	18	20	19	22	29	20	23	18
	B	66	80	70	50	27	23	44	50	49	44	45	51	35	35	41	39	48	68	51	52	43
	C	4	3	2	2	1	4	11	8	4	3	3	2	1	1	2	1	0	1	2	3	3
45-50	A	21	19	19	20	14	8	12	4	11	16	20	22	26	26	19	20	19	23	20	18	16
	B	42	40	44	54	28	16	19	17	23	26	38	50	55	55	33	54	37	54	45	39	38
	C	2	1	1	5	6	4	1	3	7	7	4	1	2	3	3	3	2	3	4	3	3
40-45	A	9	12	11	9	8	9	12	13	14	18	22	15	14	9	13	17	21	18	14	14	10
	B	23	25	17	12	7	9	18	23	28	29	42	32	26	23	28	36	54	45	41	31	29
	C	4	2	4	5	3	1	3	8	7	7	5	3	3	3	6	6	5	5	3	6	2
35-40	A	8	10	8	6	4	9	15	11	12	13	10	8	7	10	13	12	12	12	8	10	8
	B	18	23	13	6	11	15	37	20	29	37	32	16	21	12	40	34	32	34	24	18	21
	C	5	4	4	3	3	6	8	7	10	7	5	3	2	1	6	7	8	5	3	4	0
30-35	A	7	5	4	4	1	4	7	8	10	9	8	7	7	10	10	9	9	9	8	8	7
	B	9	9	3	2	2	8	22	15	21	13	9	13	8	21	26	10	18	17	12	10	13
	C	2	2	1	2	1	2	3	4	5	4	3	3	2	8	5	0	3	3	3	3	1
25-30	A	2	1	1	1	0	0	4	5	6	6	4	3	4	5	7	6	7	10	7	5	4
	B	1	2	1	1	1	2	11	7	11	11	10	17	9	10	8	16	14	13	7	6	6
	C	0	0	1	1	0	0	1	3	2	3	5	3	3	3	3	3	3	5	2	1	1
20-25	A	0	0	0	0	0	0	1	3	4	4	1	0	0	2	5	4	3	4	4	3	2
	B	0	2	1	0	0	0	2	5	6	5	2	1	3	6	3	4	5	4	2	2	3
	C	0	0	0	0	0	0	1	2	2	3	1	0	0	0	1	1	1	2	1	0	0
15-20	A	0	0	0	0	0	0	0	1	2	2	2	2	5	4	3	2	1	1	1	0	0
	B	0	0	0	0	0	0	1	1	2	1	1	1	11	10	4	3	1	1	1	1	1
	C	0	0	0	0	0	0	1	1	1	1	1	0	2	2	0	1	0	0	1	0	0

A - No. of Lows in 20 years

B - No. of Days with Lows in 40 years

C - No. of Cyclones originating in 20 years

Table II-1.--Concluded

DECEMBER

Latitude (°N)		Longitude (°W) 145-140	140-135	135-130	130-125	125-120	120-115	115-110	110-105	105-100	100-95	95-90	90-85	85-80	80-75	75-70	70-65	65-60	60-55	55-50	50-45	45-40
60-65	A	31	20	8	6	11	14	13	10	10	12	14	14	13	11	12	16	22	27	32	33	28
	B	41	27	17	12	17	35	30	21	17	26	20	41	21	21	11	30	41	56	96	70	50
	C	3	6	3	2	3	8	7	3	3	5	3	2	1	3	2	1	2	4	9	7	5
55-60	A	56	30	21	7	11	20	21	19	18	16	17	19	19	16	11	10	15	17	19	27	27
	B	110	75	37	18	25	38	50	46	35	35	34	30	38	30	24	20	28	31	45	47	55
	C	3	6	3	3	5	10	12	7	4	3	5	3	1	1	1	2	1	2	0	2	2
50-55	A	26	26	24	21	7	12	18	19	21	17	21	26	20	20	13	14	18	23	23	22	19
	B	63	74	88	52	27	31	50	59	53	39	45	60	41	44	30	48	41	59	49	50	64
	C	2	2	3	2	0	5	10	6	11	4	3	3	1	1	1	2	2	1	1	1	3
45-50	A	10	15	17	27	10	9	17	8	13	16	19	33	25	20	16	18	25	29	22	21	19
	B	27	33	36	56	20	13	25	22	28	30	34	69	56	52	28	44	47	53	49	50	42
	C	0	1	4	4	2	3	2	3	7	6	3	6	3	3	3	3	2	0	1	3	3
40-45	A	11	9	9	15	7	14	8	7	13	20	24	19	16	15	19	26	27	27	25	19	20
	B	23	13	20	20	13	21	12	17	28	37	34	30	33	31	35	46	52	58	43	27	34
	C	3	3	3	3	0	5	4	3	6	9	3	5	5	3	6	7	5	4	8	7	5
35-40	A	8	6	6	6	8	13	21	14	14	14	12	9	8	13	21	22	17	16	9	9	11
	B	19	20	12	12	18	20	53	28	41	39	19	28	17	22	34	47	38	28	22	21	25
	C	3	5	2	1	3	6	11	2	4	6	1	3	5	3	8	7	6	6	4	3	7
30-35	A	4	4	4	3	4	6	8	8	9	9	13	13	9	20	12	9	8	8	7	7	7
	B	11	7	6	9	8	11	23	16	22	13	29	27	13	37	26	20	13	15	13	9	10
	C	2	2	1	1	3	2	5	4	3	5	6	5	2	6	4	3	3	3	1	1	2
25-30	A	1	1	1	0	0	3	5	6	7	11	11	9	6	7	6	6	5	5	5	5	4
	B	2	1	4	3	2	5	5	8	11	19	20	14	6	9	8	3	4	3	5	9	5
	C	1	1	1	0	0	0	2	3	3	11	11	5	2	4	4	2	1	1	3	0	0
20-25	A	0	0	0	0	1	2	2	3	1	5	5	1	0	3	4	3	0	2	3	2	0
	B	1	0	0	0	1	2	1	4	3	4	5	1	1	3	2	2	0	3	4	2	0
	C	0	0	0	0	1	1	2	1	1	3	4	1	0	2	1	1	0	0	1	1	0
15-20	A	0	0	0	0	0	0	0	1	0	2	1	0	0	1	0	1	0	0	0	0	0
	B	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	1	1	0	0
	C	0	0	0	0	1	1	1	0	0	2	1	0	0	1	0	1	0	0	0	0	0

A - No. of Lows in 20 years B - No. of Days with Lows in 40 years C - No. of Cyclones originating in 20 years

2. Movement of Low Pressure Centers

Table II-2 was developed from the Northern Hemisphere Pressure Center Track Data (Card Deck 623). These distributions show that the speeds of movement of low pressure centers are quite random; those north of 35°N generally move faster than those south of 35°N; and that there are too few centers of low pressure [according to the definitions used by Klein (1957)] to produce any kind of frequency distribution on a monthly, or even a seasonal, basis.

In the area 25 to 30°N and 90 to 95°W the average speed of low systems moving out of the area is between 10 and 15 kt with 21 percent of the speeds being greater than 25 kts. Seven percent of storms moved out of the area at speeds greater than 40 kts.

Table II-2.--Frequency distribution of the speed of movement of low pressure centers in areas of cyclogenesis, by area

MOVEMENT OF LOWS IN AREAS OF CYCLOGENESIS

		Speed (Knots)										
Area		Calm	≤ 5	≤ 10	≤ 15	≤ 20	≤ 25	≤ 30	≤ 35	≤ 40	> 40	Total Obs.
25-30°N	Frequency	3	28	56	80	102	118	124	135	139	11	150
90-95°W	Percent Frequency	.02	.19	.37	.53	.68	.79	.83	.90	.93	.07	
25-30°N	Frequency	2	14	22	41	56	68	75	83	84	4	88
95-100°W	Percent Frequency	.02	.16	.25	.47	.64	.77	.85	.94	.95	.05	
30-35°N	Frequency	0	19	53	82	128	173	201	232	249	28	277
75-80°W	Percent Frequency	.00	.07	.19	.30	.46	.62	.73	.84	.90	.10	
35-40°N	Frequency	1	9	62	125	208	262	323	377	411	38	449
70-75°W	Percent Frequency	.00	.02	.14	.28	.46	.58	.72	.84	.92	.08	
45-50°N	Frequency	3	27	74	110	152	202	254	277	308	10	318
125-130°W	Percent Frequency	.01	.08	.23	.35	.48	.64	.80	.87	.97	.03	
35-40°N	Frequency	0	7	19	30	60	80	90	92	94	4	98
120-125°W	Percent Frequency	.00	.07	.19	.31	.61	.82	.92	.94	.96	.04	

3. Wave Period-Height and Period-Direction

The combination of heights and periods of waves determines the rougness of the sea. Curves showing the seasonal distribution of cumulative frequencies of combinations of heights and periods presented in figures II-15 to II-23 are based on climatological summaries of wave observations in the 1949 International Code for Ship Radio Weather Report format. No attempt is made to separate the waves into sea and swell, and the code designates only the mean maximum wave height, the associated wave period, and the wave direction. The graphs give some indication of the degrees of sea roughness and the predominant directions of waves with various periods to be expected within the quadrangles.

To illustrate the use of these figures, the graph in Area 6, bounded by 25°-35°N, 90°-95°W for spring (April, May, June) indicates that waves ≧ 4 ft and having periods > 5 sec occur about 15 percent of the time. The middle rose indicates that waves in the period range 6 to 9 sec come most frequently from the southeastern quadrant (southeast about 10 percent, south about 7 percent, and east about 5 percent of the time, respectively).

Much information and statistical data can be extracted from the wave period-height and period-direction charts. For example, short rough waves with heights > 5 ft and periods < 5 sec cause unfavorable motion to a ship less than 150 ft in length. A ship 150 to 400 ft in length is affected adversely by waves > 5 ft and periods of 6 to 9 sec. The percent of time with or without these conditions, as well as height-period combinations for other marine operations, is available from these charts. The period-direction roses give the relative frequencies by direction of selected wave-period categories.

The wave period-height and period-direction graphs included here (fig. II-13 to II-23) were taken from H.O. Pub. No. 700 Series, Oceanographic Atlas of the North Atlantic Ocean, Section IV, Sea and Swell, 1963, without any changes.

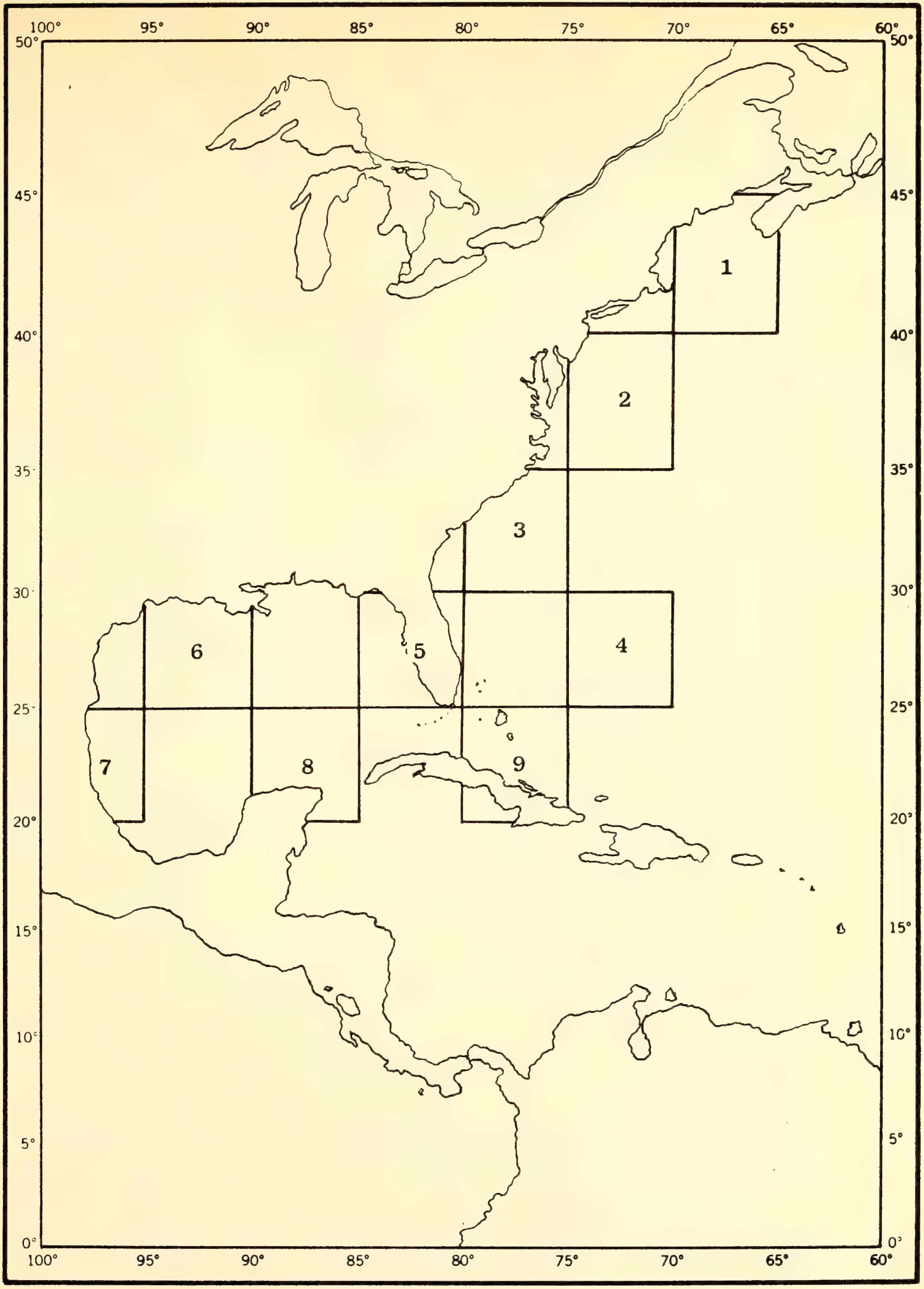
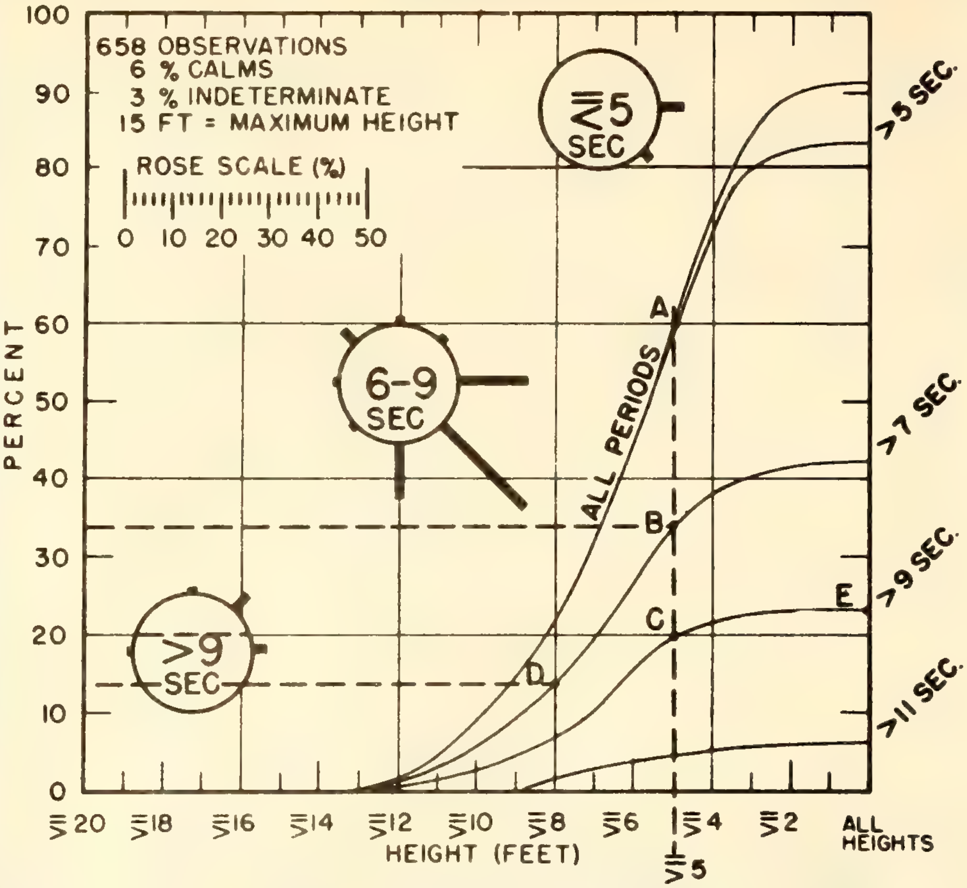


Figure II-13.--Location chart for wave period-height and period-direction graphs.

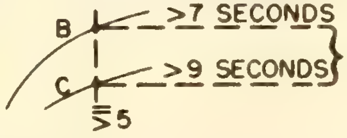
LEGEND



A POINT ON THE GRAPH SHOWS THE PERCENTAGE OF ALL WAVES OBSERVED WITH PERIODS EXCEEDING, AND HEIGHTS EQUAL TO OR EXCEEDING, CERTAIN VALUES:

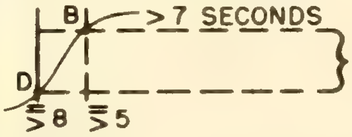
POINT A: 60 % OF ALL WAVES WERE ≧5 FEET
" B: 34 % OF ALL WAVES WERE >7 SECONDS, ≧5 FEET
" E: 23 % OF ALL WAVES WERE >9 SECONDS

AN INTERVAL BETWEEN TWO POINTS OF THE SAME HEIGHT CATEGORY SHOWS THE PERCENTAGE OF ALL WAVES OF THAT HEIGHT CATEGORY WITHIN A CERTAIN RANGE OF PERIODS:



14 % OF ALL WAVES WERE 7-9 SECONDS, ≧5 FEET

AN INTERVAL BETWEEN TWO POINTS ON THE SAME PERIOD CURVE SHOWS THE PERCENTAGE OF ALL WAVES REPRESENTED BY THE CURVE WITHIN A CERTAIN RANGE OF HEIGHTS:



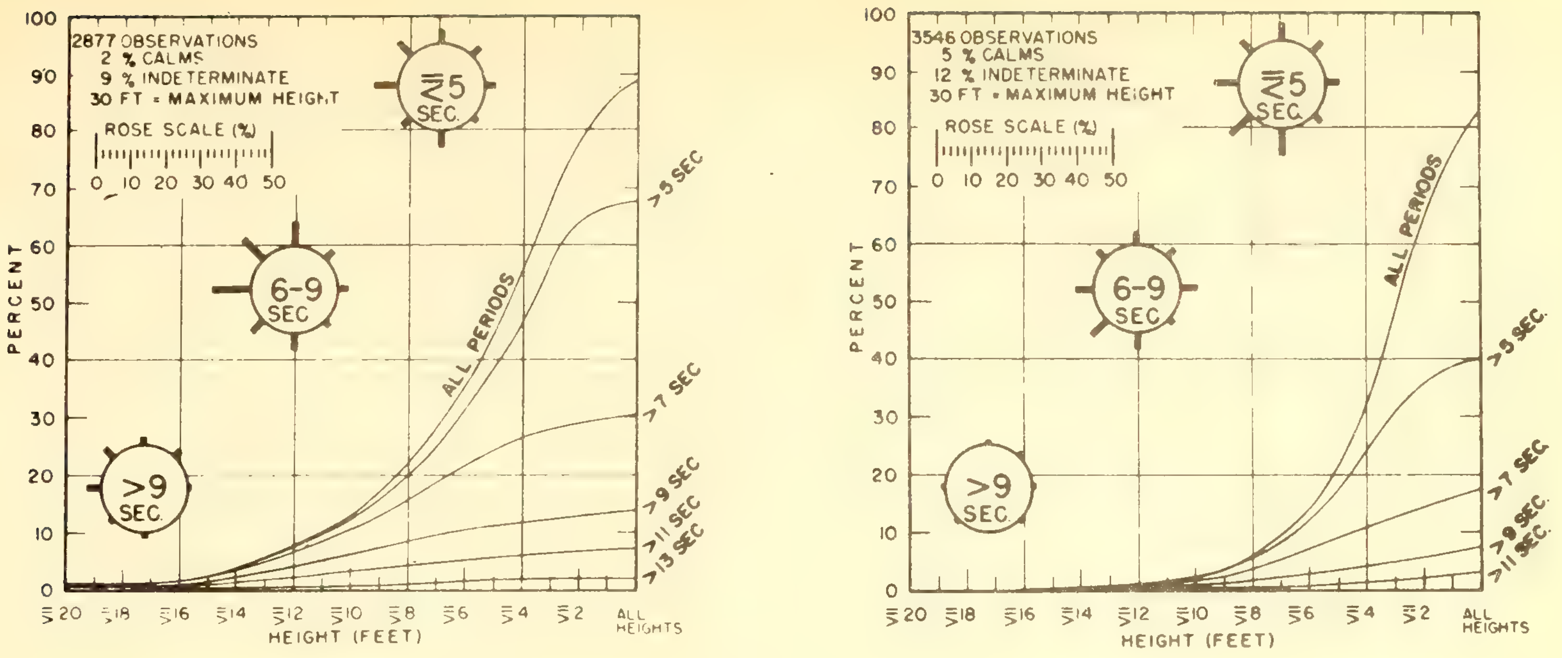
20% OF ALL WAVES WERE 5-8 FEET, >7 SECONDS

AN ARM OF A ROSE INDICATES THE PERCENTAGE OF ALL OBSERVATIONS WHICH ARE IN THE GIVEN PERIOD-DIRECTION CATEGORY:

25% OF ALL WAVES OBSERVED HAD PERIODS OF 6-9 SECONDS AND CAME FROM THE SOUTHEAST.

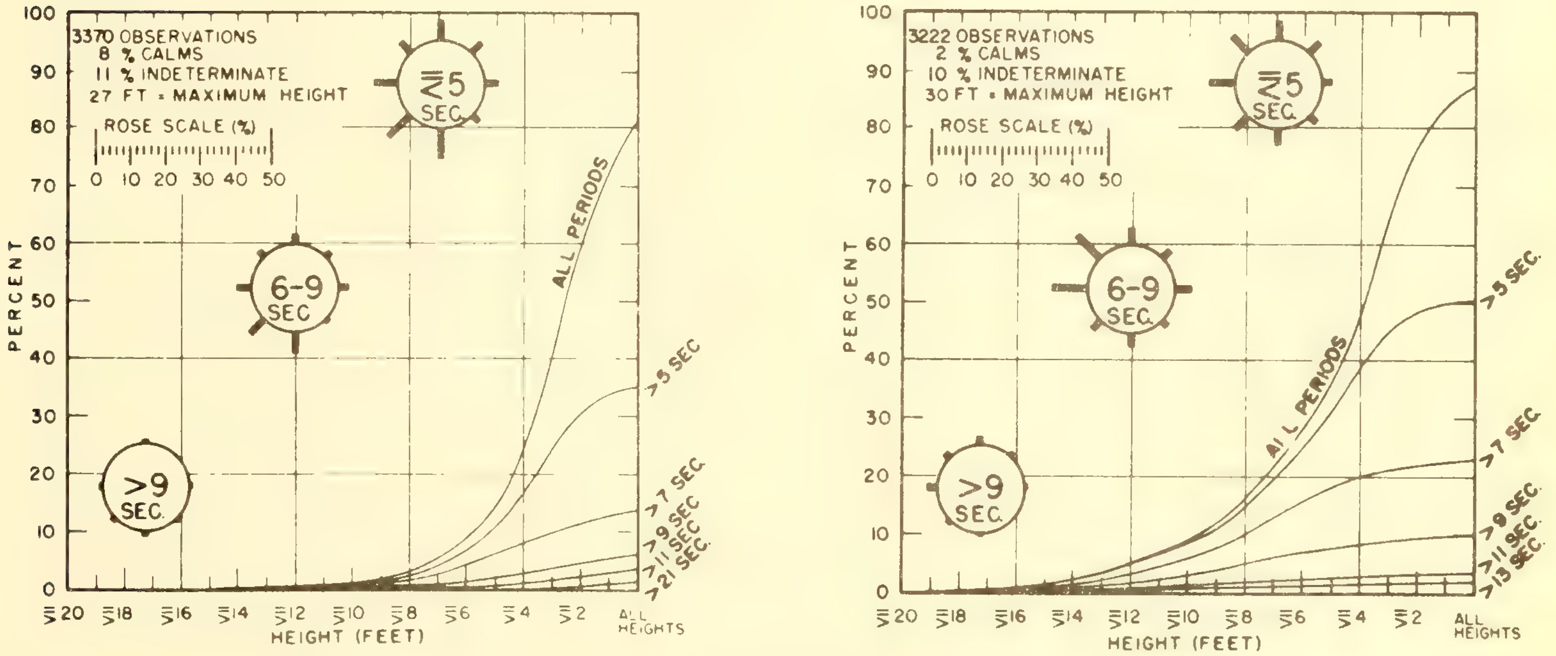
15% OF ALL WAVES OBSERVED CAME FROM THE SOUTH. 12% OF THESE WAVES HAD PERIODS OF 6-9 SECONDS AND 3% HAD PERIODS >9 SECONDS.

Figure II-14.--Legend for period-height and period-direction graphs.



WINTER
(JAN. FEB. MAR.)

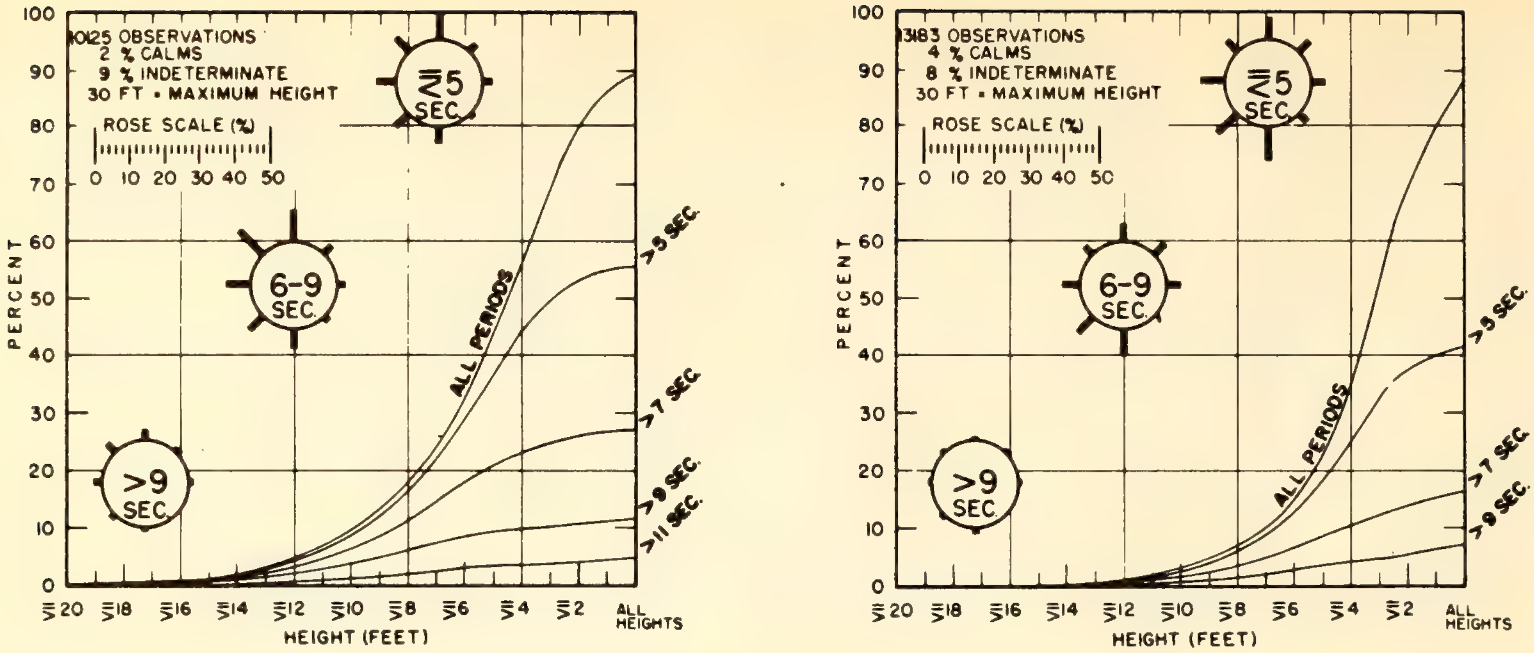
SPRING
(APR. MAY JUN.)



SUMMER
(JUL. AUG. SEP.)

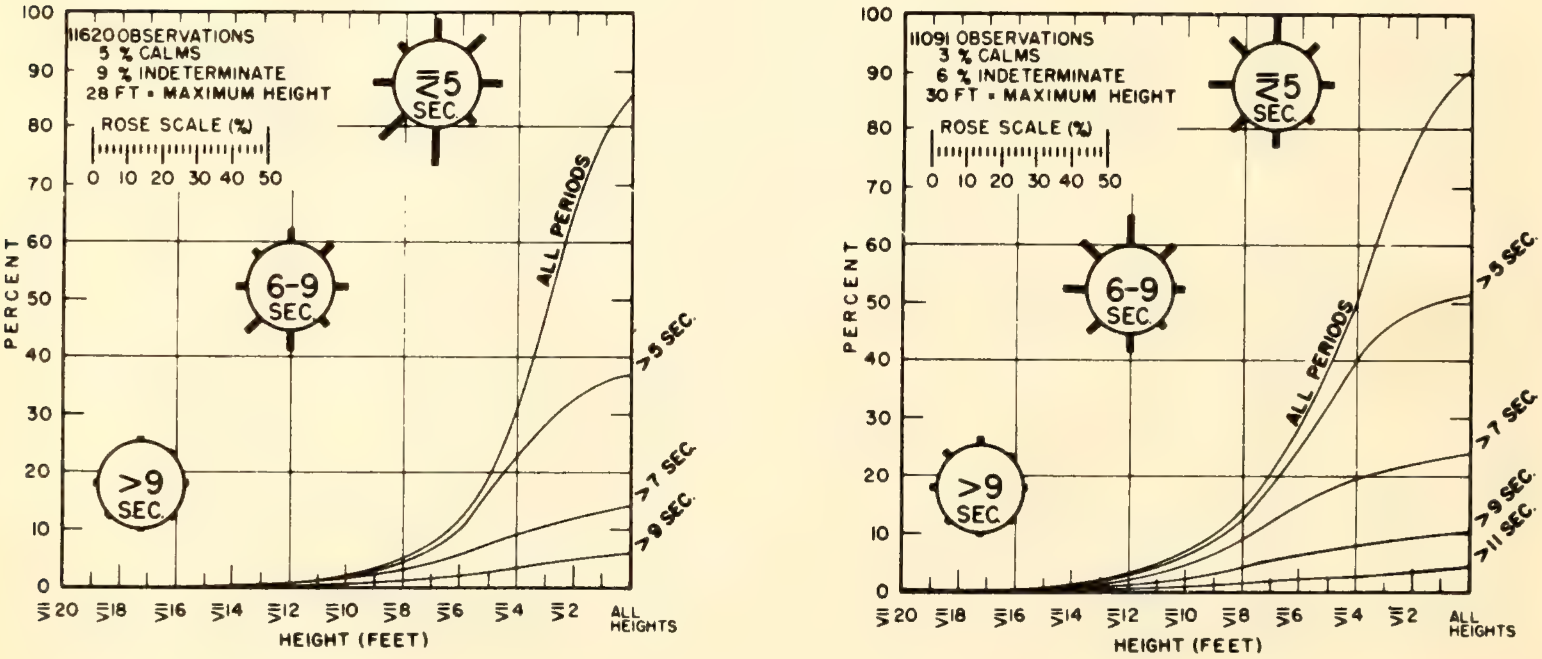
AUTUMN
(OCT. NOV. DEC.)

Figure II-15.--Wave period-height and period-direction graphs by area: Area 1.



WINTER
(JAN. FEB. MAR.)

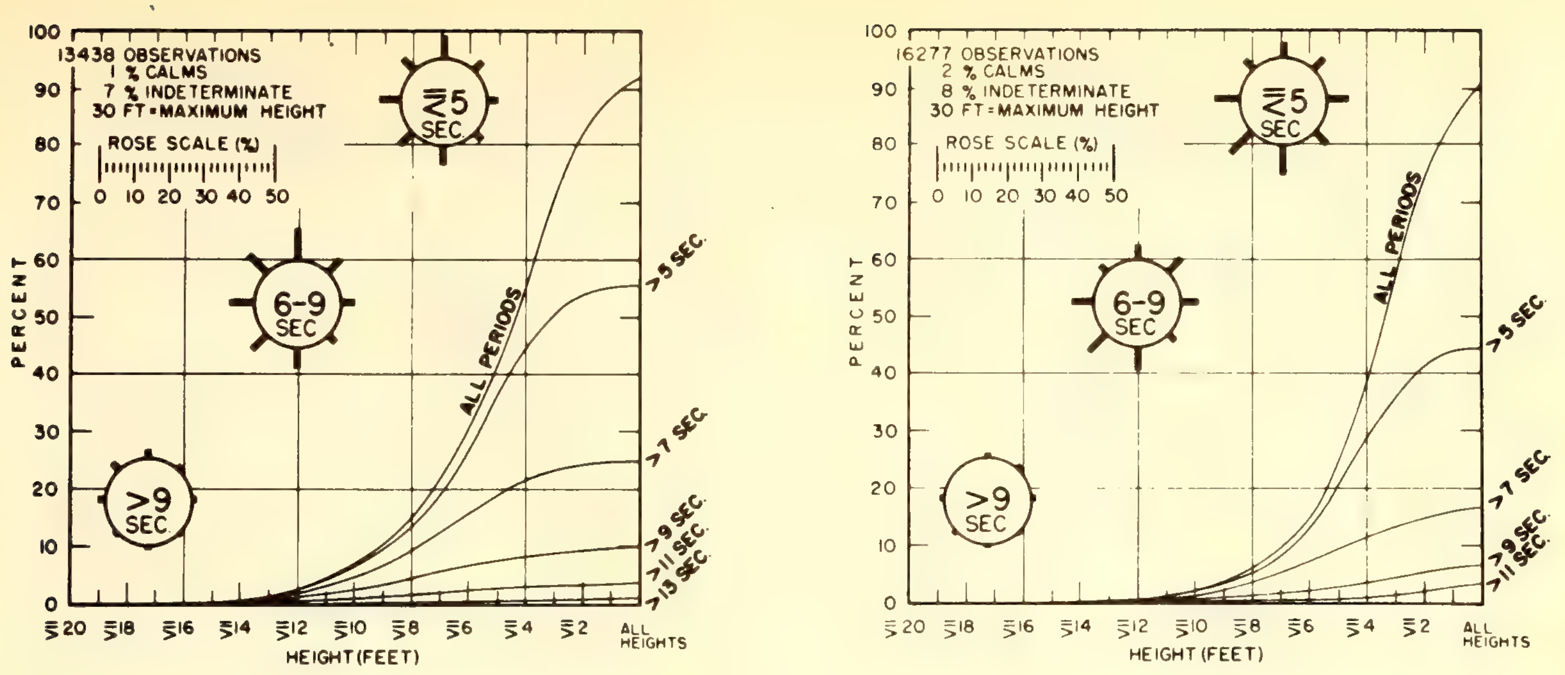
SPRING
(APR. MAY JUN.)



SUMMER
(JUL. AUG. SEP.)

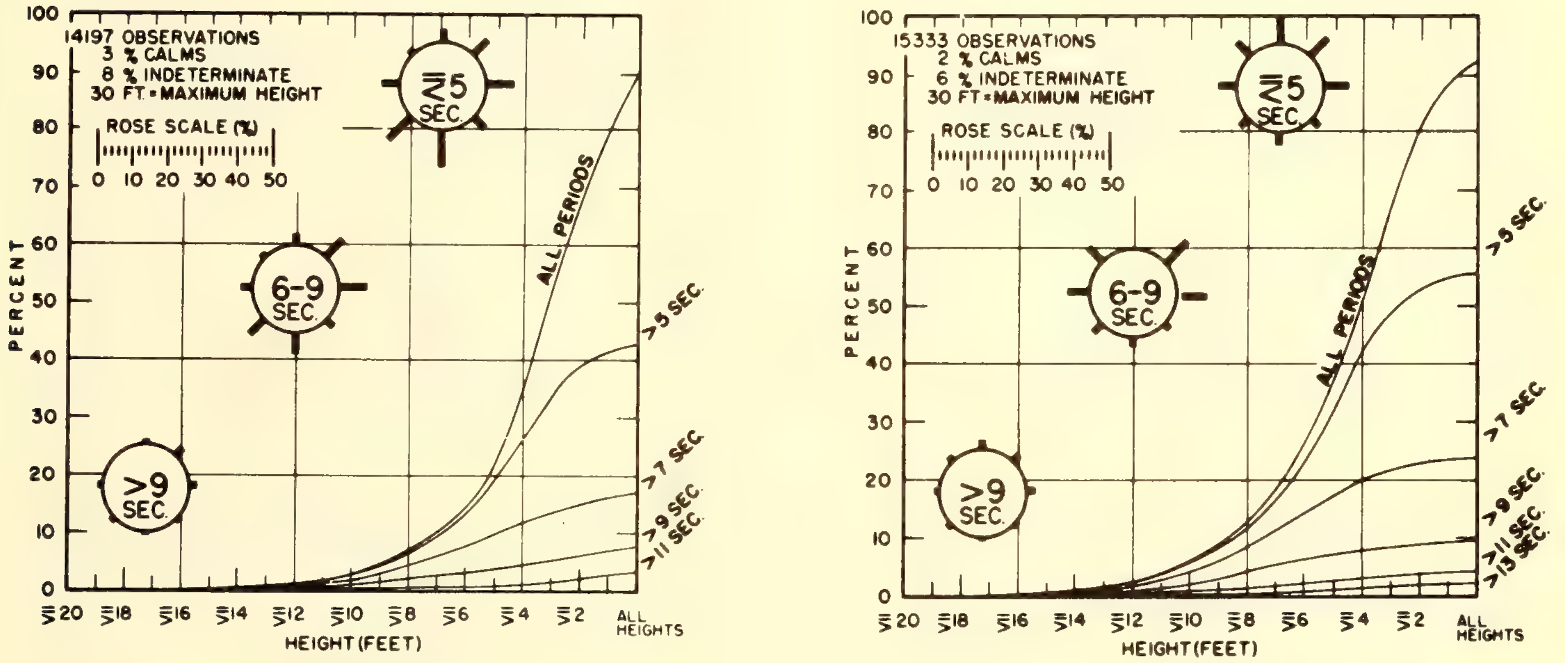
AUTUMN
(OCT. NOV. DEC.)

Figure II-16.--Wave period-height and period-direction graphs by area: Area 2.



WINTER
(JAN. FEB. MAR.)

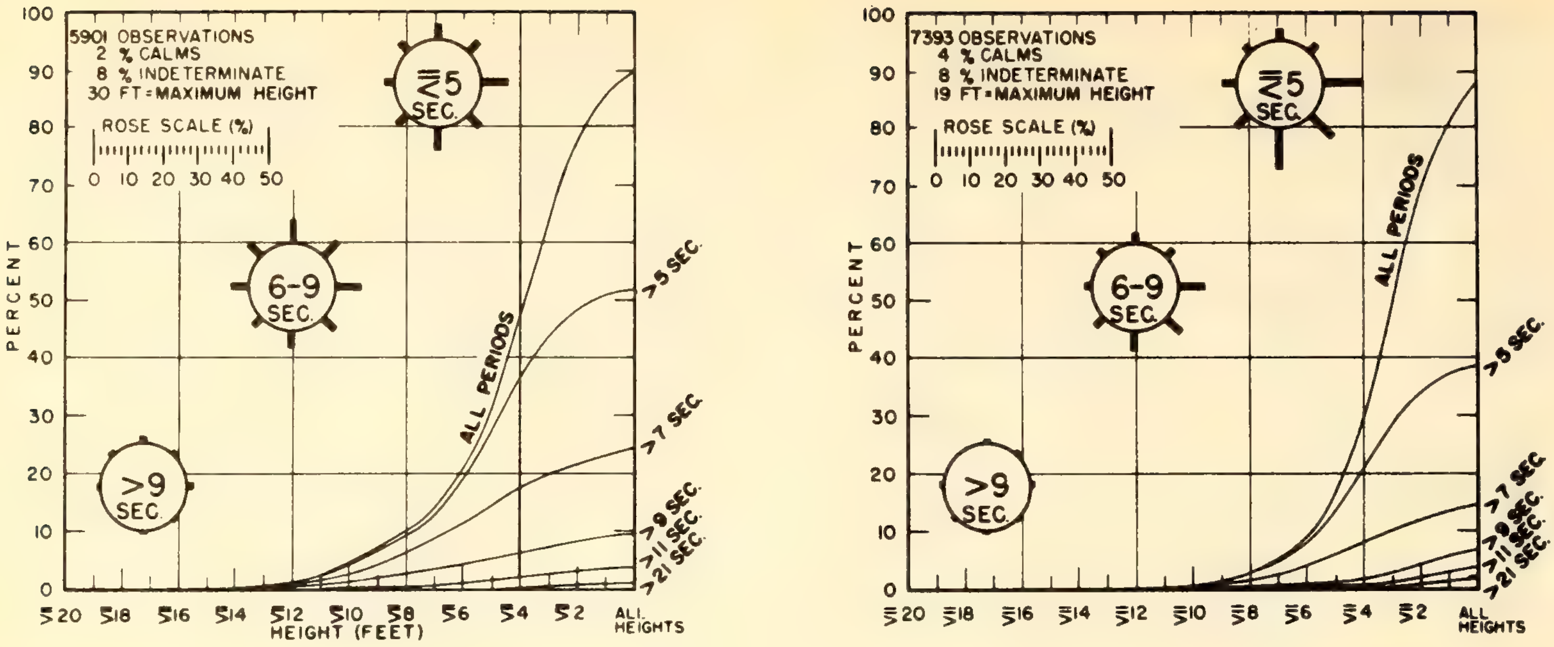
SPRING
(APR. MAY JUN.)



SUMMER
(JUL. AUG. SEP.)

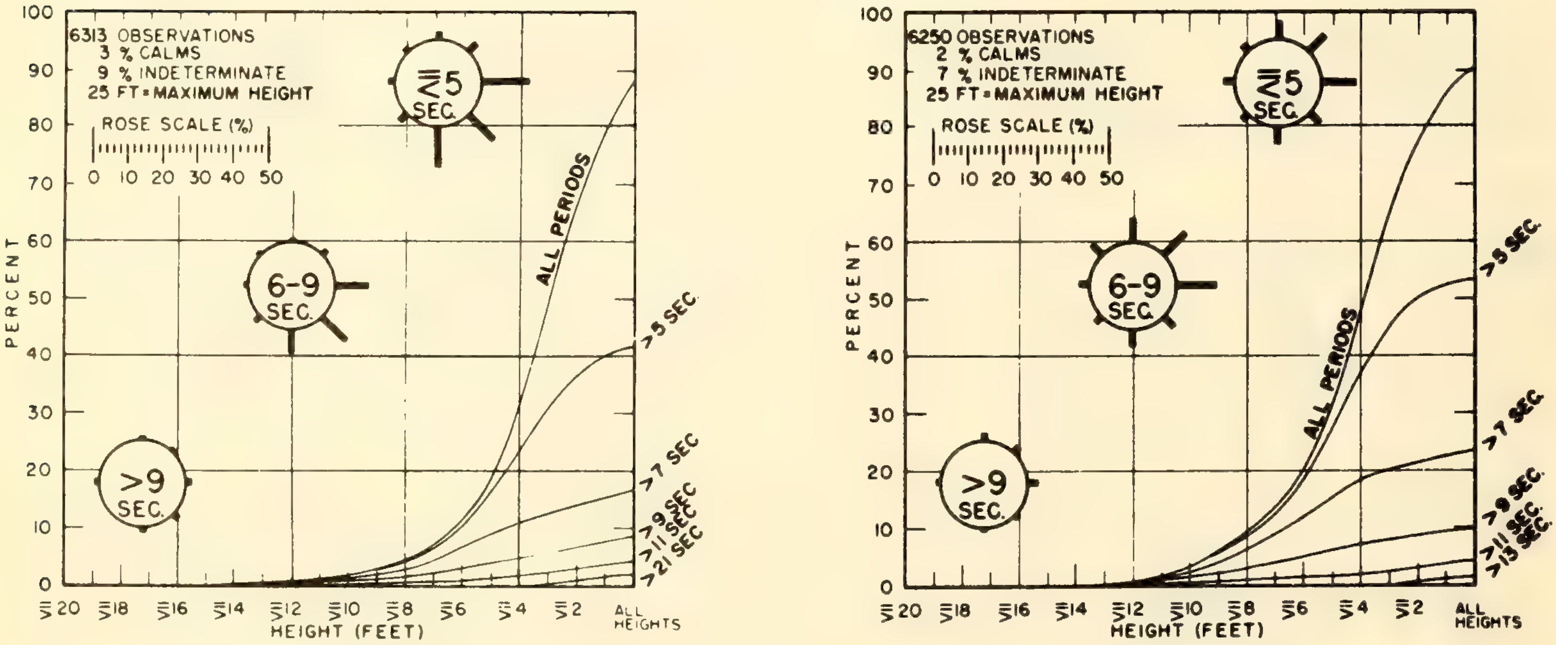
AUTUMN
(OCT. NOV. DEC.)

Figure II-17.--Wave period-height and period-direction graphs by area: Area 3.



WINTER
(JAN. FEB. MAR.)

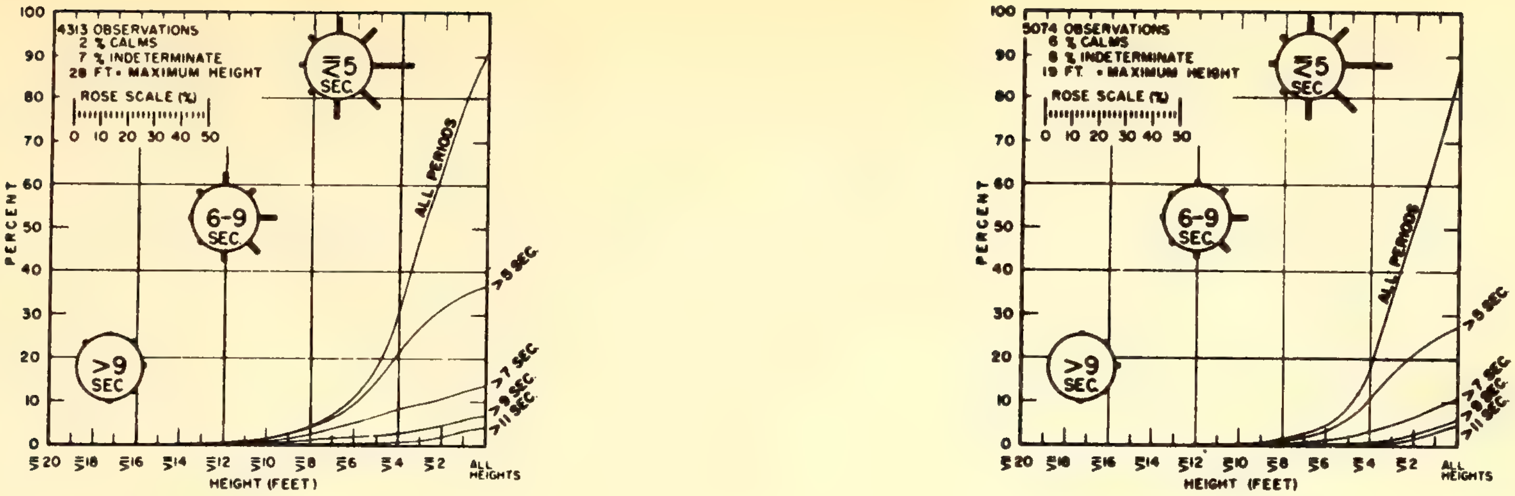
SPRING
(APR. MAY JUN.)



SUMMER
(JUL. AUG. SEP.)

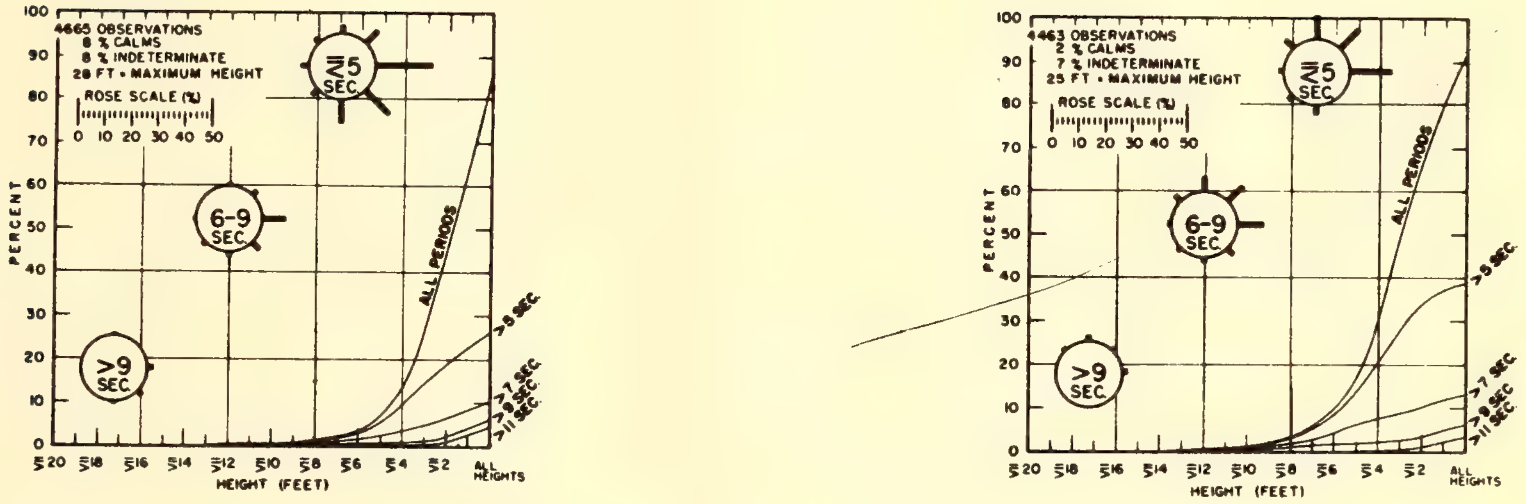
AUTUMN
(OCT. NOV. DEC.)

Figure II-18.--Wave period-height and period-direction graphs by area: Area 4.



WINTER
(JAN. FEB. MAR.)

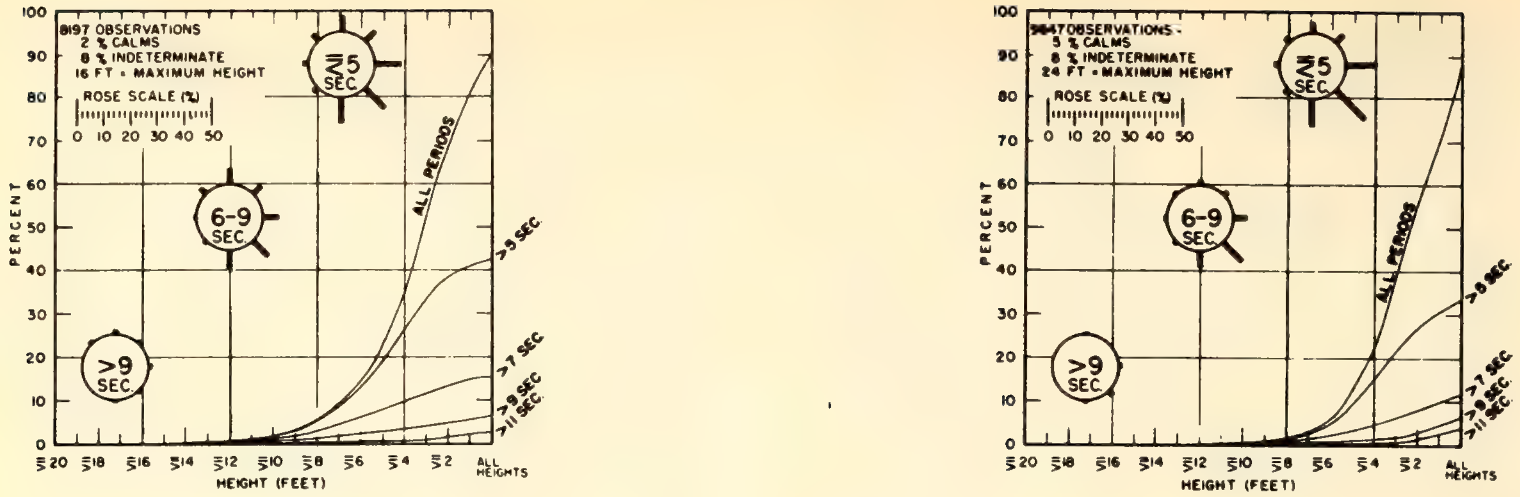
SPRING
(APR. MAY JUN.)



SUMMER
(JUL. AUG. SEP.)

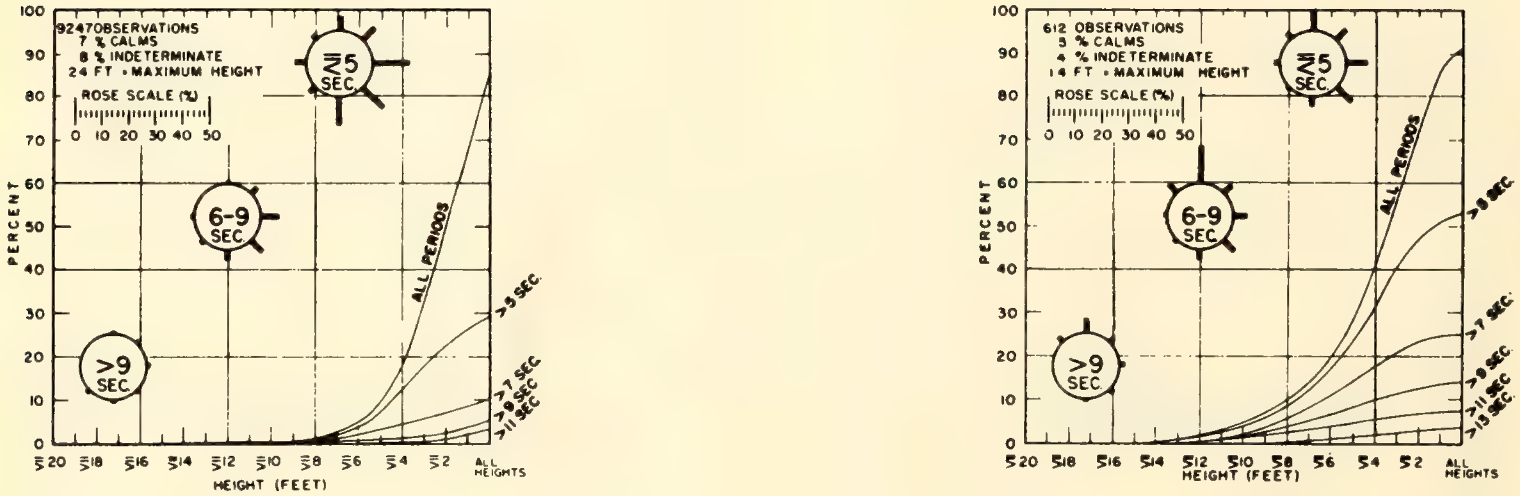
AUTUMN
(OCT. NOV. DEC.)

Figure II-19.--Wave period-height and period-direction graphs by area: Area 5.



WINTER
(JAN. FEB. MAR.)

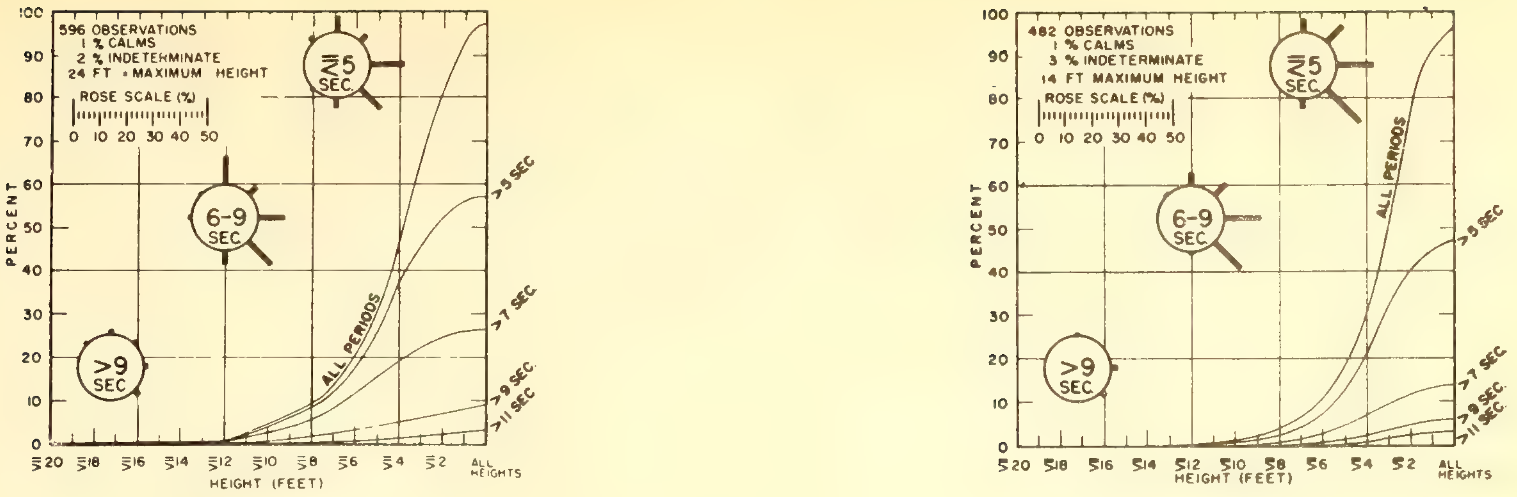
SPRING
(APR. MAY JUN.)



SUMMER
(JUL. AUG. SEP.)

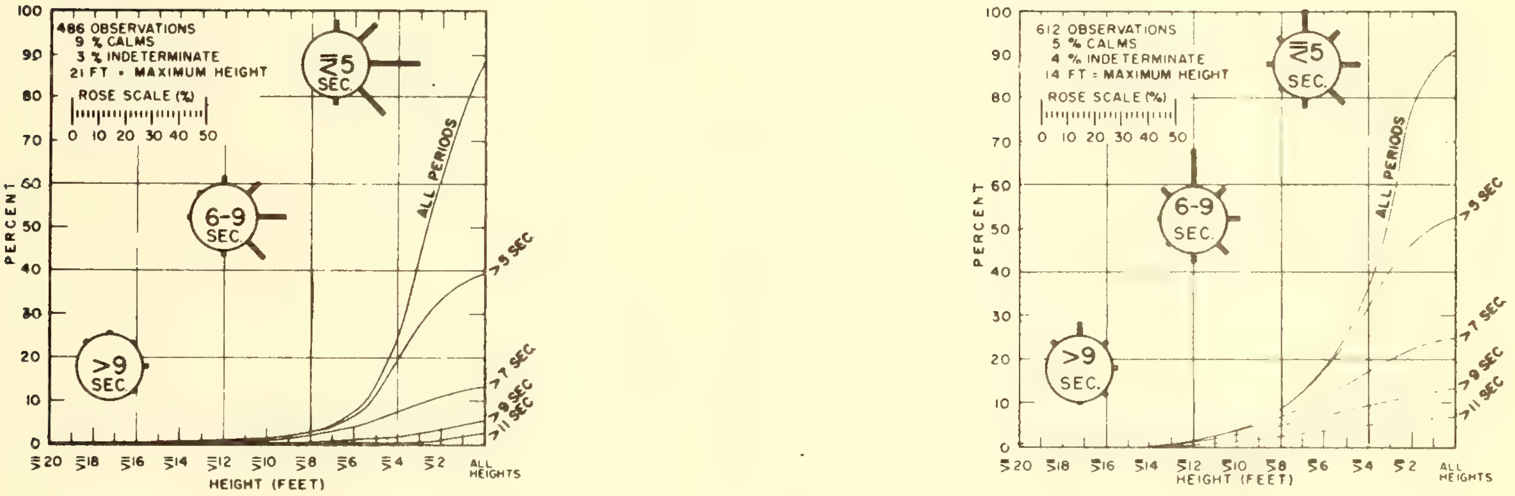
AUTUMN
(OCT. NOV. DEC.)

Figure II-20.--Wave period-height and period-direction graphs by area: Area 6.



WINTER
(JAN. FEB. MAR.)

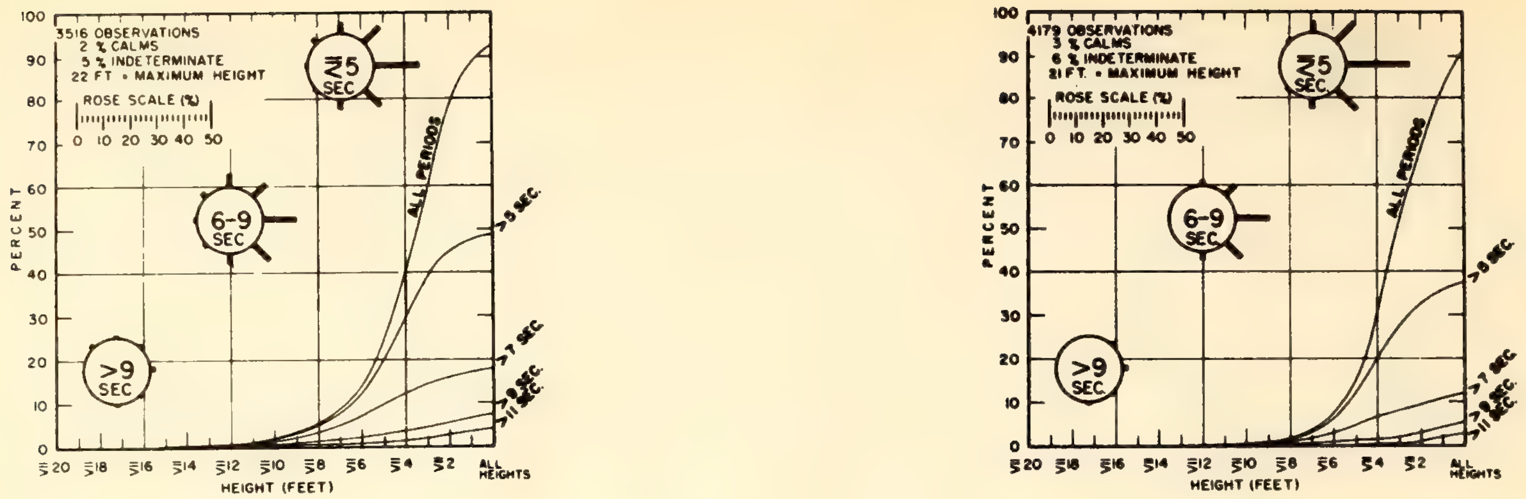
SPRING
(APR. MAY JUN.)



SUMMER
(JUL. AUG. SEP.)

AUTUMN
(OCT. NOV. DEC.)

Figure II-21.--Wave period-height and period-direction graphs by area: Area 7.



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SPRING
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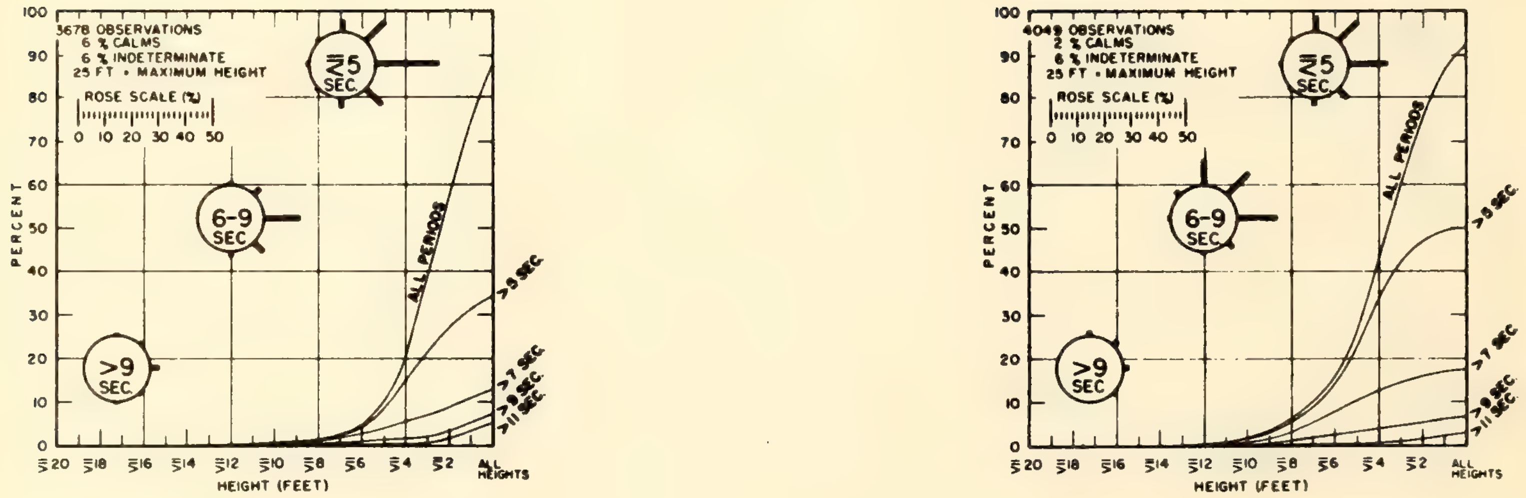
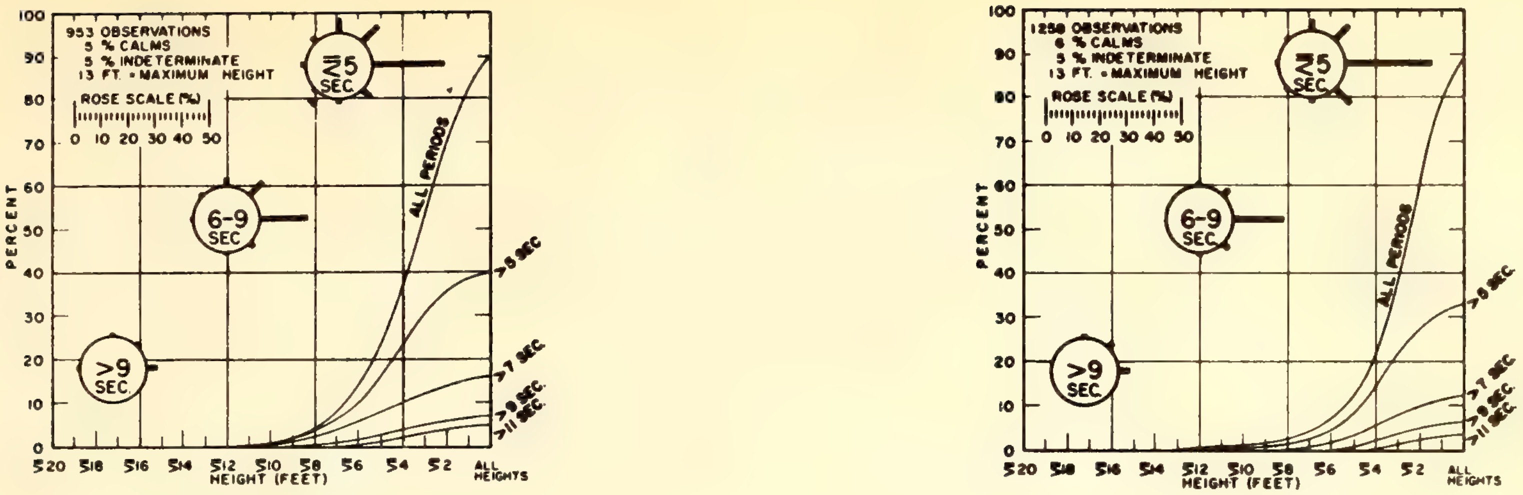


SUMMER
(JUL. AUG. SEP.)

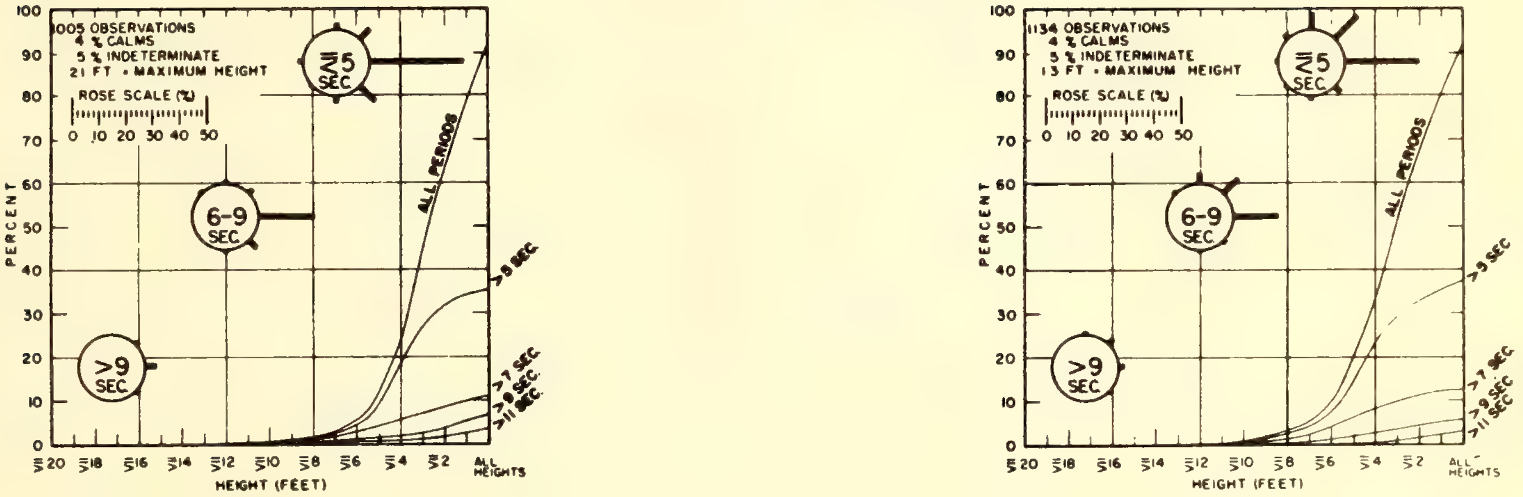
AUTUMN
(OCT. NOV. DEC.)

Figure II-22.--Wave period-height and period-direction graphs by area: Area 8.



WINTER
(JAN. FEB. MAR.)

SPRING
(APR. MAY JUN.)



SUMMER
(JUL. AUG. SEP.)

AUTUMN
(OCT. NOV. DEC.)

Figure II-23.--Wave period-height and period-direction graphs by area: Area 9.

4. Persistence of Favorable and Unfavorable Seas

Since most marine operations become ineffective or restricted when wave conditions reach a certain state or higher, it is well to know the expected duration of waves lower than a certain threshold value. In order to determine the probable persistence of any wave height category, a long period of regular observations must be available, and data must be taken sufficiently close to the same location so as to avoid spatial variation. In this study, a minimum of 3 yr of continuous record was considered adequate.

The only sources of adequate, i.e. at least 3 yr continuous wave observations at a given ocean position, available for the North American coastal waters are the various light vessels near the U.S. coasts. For instance, Five Fathoms Bank Light Vessel (38°47.3′N, 74° 34.6′W) supplied 10 years of continuous wave data and Savannah, Georgia Light Vessel, 7 years of continuous data. In each chart, the number of observations which were included in the analysis is shown in the upper right hand corner of the chart.

In figure II-25 (the legend), the set of curves labeled "Persistence of favorable seas" indicates the number of times during a season that waves decrease to less than specified height categories. These curves also show how long the waves are expected to remain below specified heights. The other set of curves labeled "Persistence of unfavorable seas" indicates the number of times during a season that waves increase to specified height categories or exceed them; they also show how long the waves can be expected to exceed the specified heights.

Unfavorable seas are defined as waves ≥3, ≥6, ≥9, and ≥12 ft and are represented for each season by the cumulative curves in figures II-26 to II-36. Favorable seas, defined as waves <3, <6, <9, and <12 ft, are represented by cumulative curves in the same figures. These graphs are intended to apply to any particular marine operation, where the limits of the operation determine whether the waves are favorable or unfavorable.

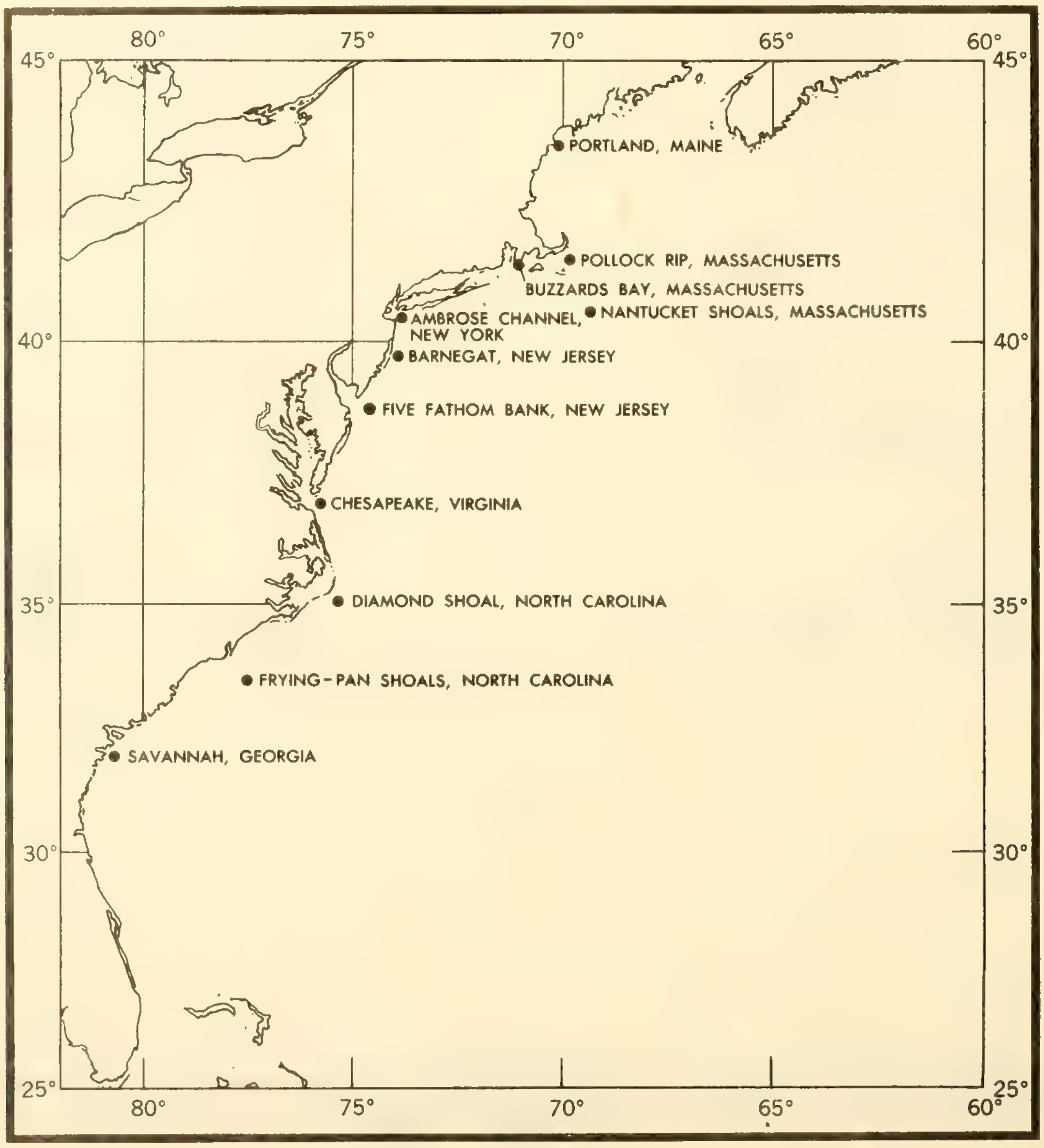
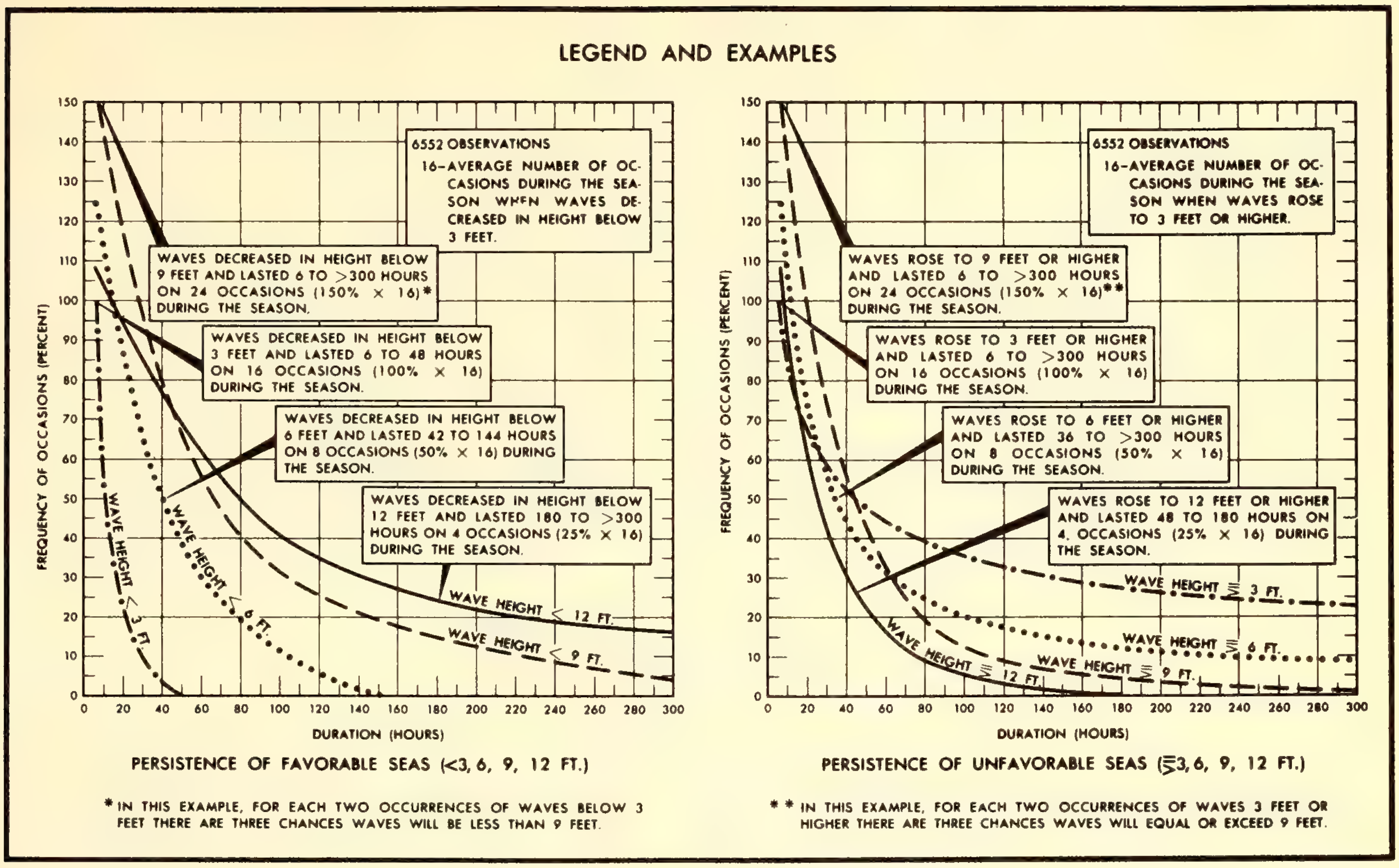

80°
75°
70°
65°
60°
45°
40°
35°
30°
25°
PORTLAND, MAINE
POLLOCK RIP, MASSACHUSETTS
BUZZARDS BAY, MASSACHUSETTS
AMBROSE CHANNEL, NEW YORK
NANTUCKET SHOALS, MASSACHUSETTS
BARNEGAT, NEW JERSEY
FIVE FATHOM BANK, NEW JERSEY
CHESAPEAKE, VIRGINIA
DIAMOND SHOAL, NORTH CAROLINA
FRYING-PAN SHOALS, NORTH CAROLINA
SAVANNAH, GEORGIA

Figure II-24.--Location chart of east coast lightships.


LEGEND AND EXAMPLES

6552 OBSERVATIONS
16–AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES DECREASED IN HEIGHT BELOW 3 FEET.

WAVES DECREASED IN HEIGHT BELOW 9 FEET AND LASTED 6 TO >300 HOURS ON 24 OCCASIONS (150% × 16)* DURING THE SEASON.

WAVES DECREASED IN HEIGHT BELOW 3 FEET AND LASTED 6 TO 48 HOURS ON 16 OCCASIONS (100% × 16) DURING THE SEASON.

WAVES DECREASED IN HEIGHT BELOW 6 FEET AND LASTED 42 TO 144 HOURS ON 8 OCCASIONS (50% × 16) DURING THE SEASON.

WAVES DECREASED IN HEIGHT BELOW 12 FEET AND LASTED 180 TO >300 HOURS ON 4 OCCASIONS (25% × 16) DURING THE SEASON.

PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

*IN THIS EXAMPLE, FOR EACH TWO OCCURRENCES OF WAVES BELOW 3 FEET THERE ARE THREE CHANCES WAVES WILL BE LESS THAN 9 FEET.

6552 OBSERVATIONS
16–AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES ROSE TO 3 FEET OR HIGHER.

WAVES ROSE TO 9 FEET OR HIGHER AND LASTED 6 TO >300 HOURS ON 24 OCCASIONS (150% × 16)** DURING THE SEASON.

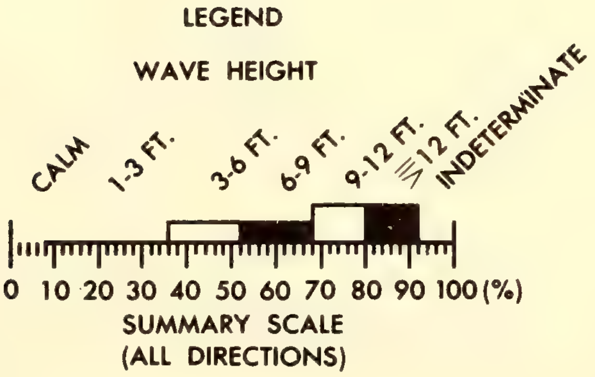
WAVES ROSE TO 3 FEET OR HIGHER AND LASTED 6 TO >300 HOURS ON 16 OCCASIONS (100% × 16) DURING THE SEASON.

WAVES ROSE TO 6 FEET OR HIGHER AND LASTED 36 TO >300 HOURS ON 8 OCCASIONS (50% × 16) DURING THE SEASON.

WAVES ROSE TO 12 FEET OR HIGHER AND LASTED 48 TO 180 HOURS ON 4. OCCASIONS (25% × 16) DURING THE SEASON.

PERSISTENCE OF UNFAVORABLE SEAS (≧3, 6, 9, 12 FT.)

**IN THIS EXAMPLE, FOR EACH TWO OCCURRENCES OF WAVES 3 FEET OR HIGHER THERE ARE THREE CHANCES WAVES WILL EQUAL OR EXCEED 9 FEET.

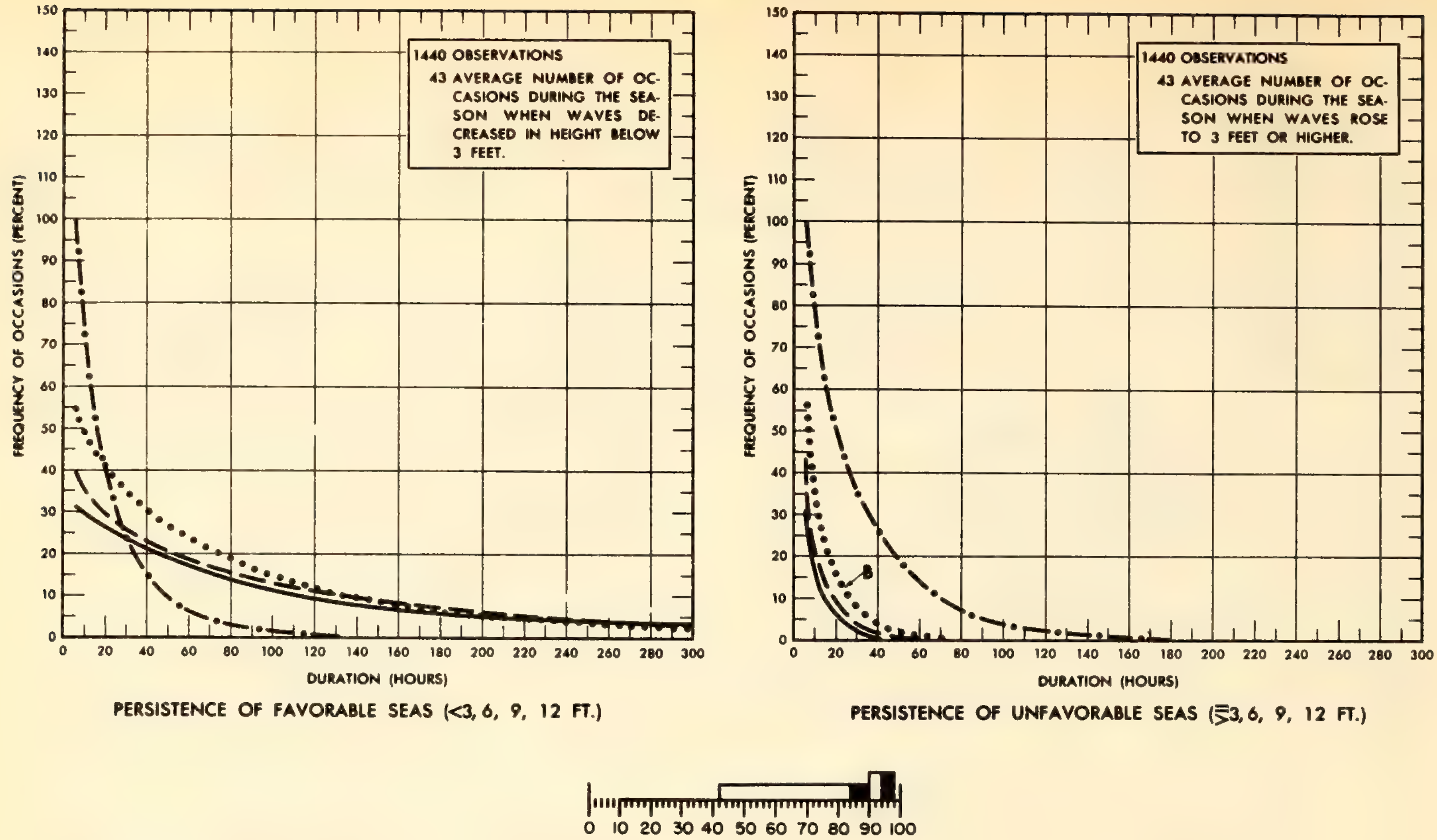

LEGEND

WAVE HEIGHT

SUMMARY SCALE
(ALL DIRECTIONS)

Figure II-25.--Legend for persistence of favorable and unfavorable seas at east coast lightships.

JANUARY, FEBRUARY, MARCH



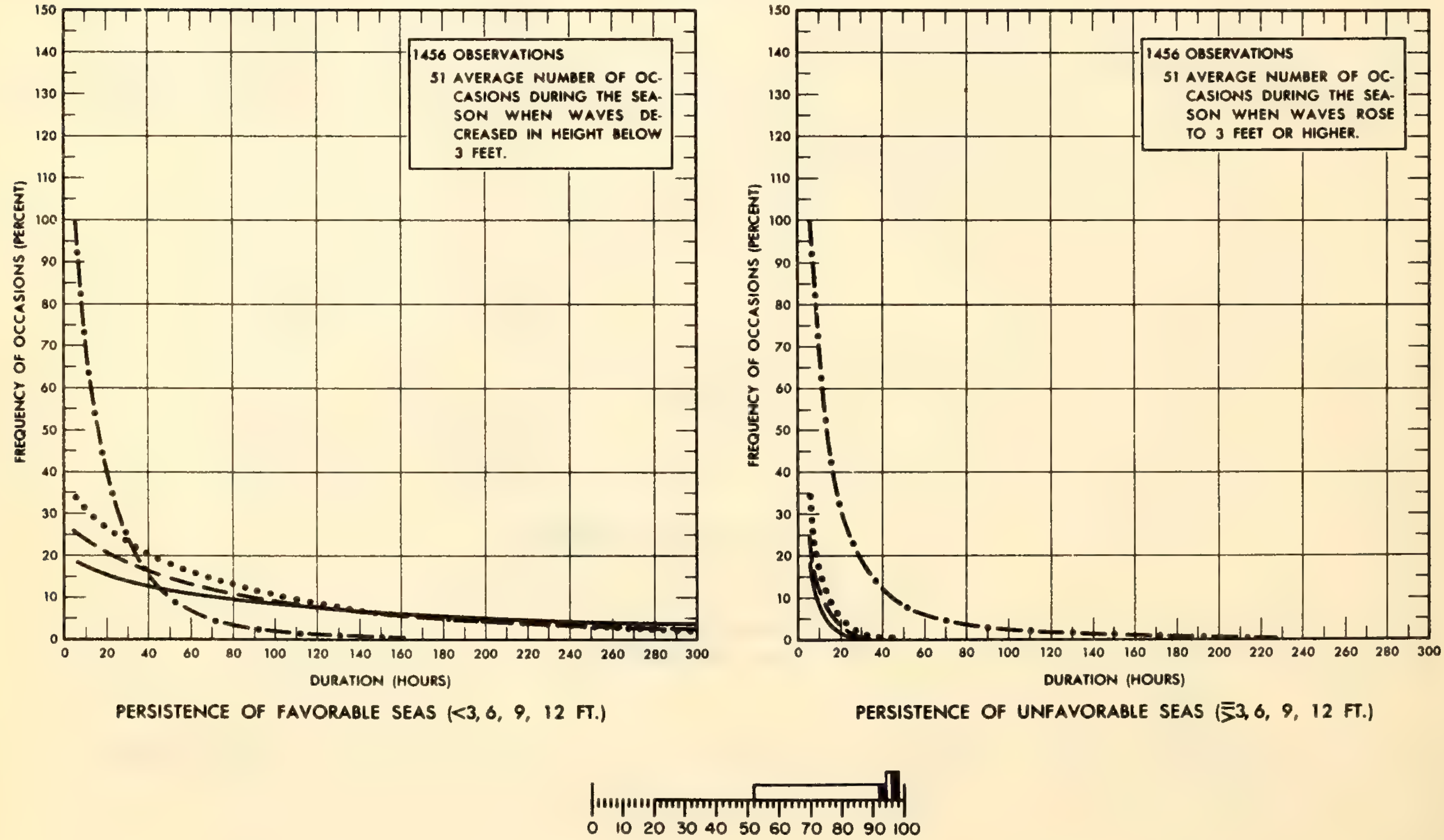
1440 OBSERVATIONS
43 AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES DECREASED IN HEIGHT BELOW 3 FEET.

1440 OBSERVATIONS
43 AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES ROSE TO 3 FEET OR HIGHER.

PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE SEAS (⋝3, 6, 9, 12 FT.)

APRIL, MAY, JUNE



1456 OBSERVATIONS
51 AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES DECREASED IN HEIGHT BELOW 3 FEET.

1456 OBSERVATIONS
51 AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES ROSE TO 3 FEET OR HIGHER.

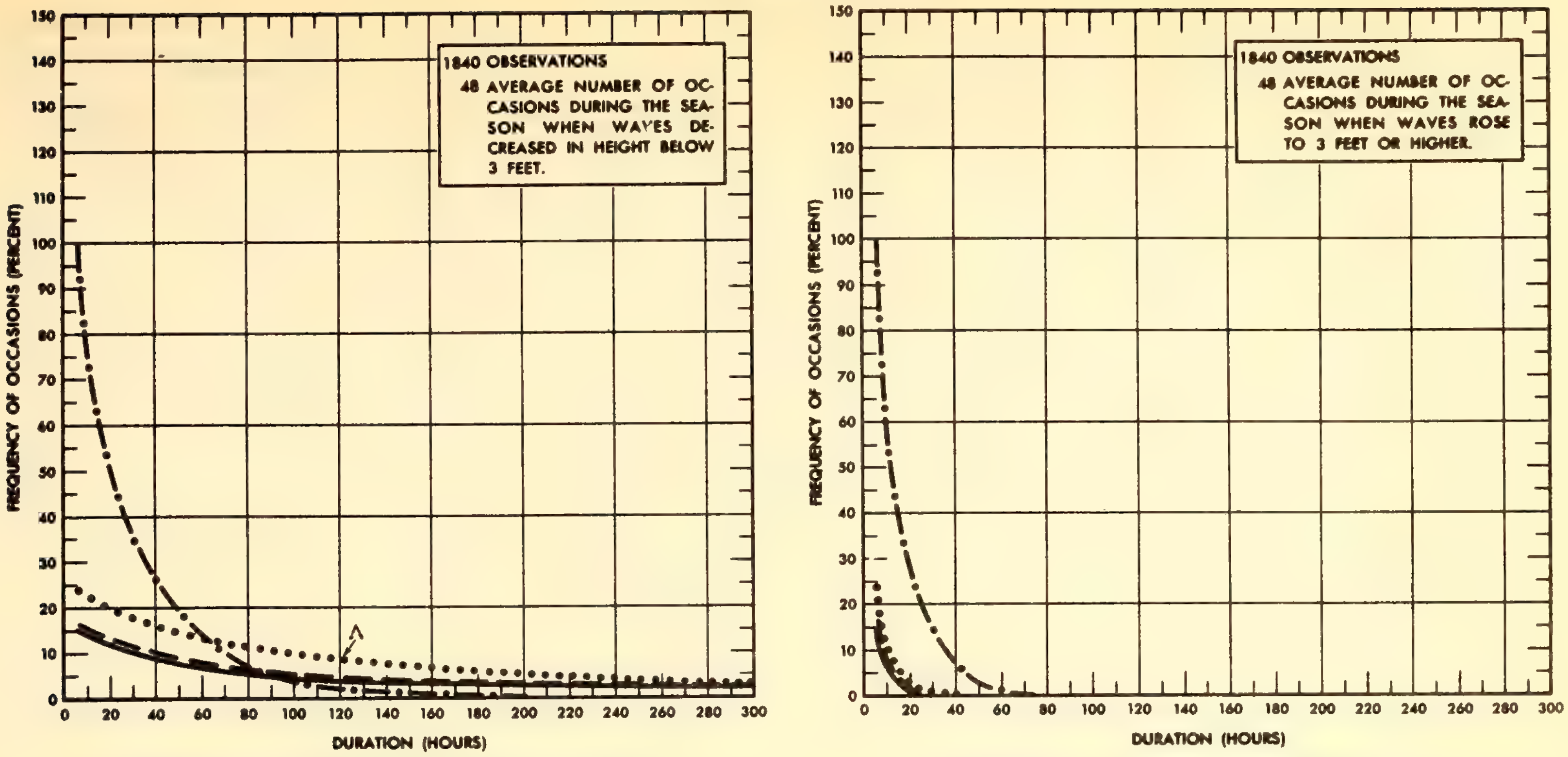
PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE SEAS (⋝3, 6, 9, 12 FT.)

PORTLAND, MAINE 43°48.4′N., 70°5.5′W.

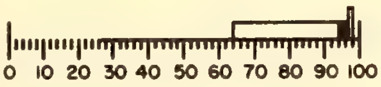
Figure II-26.--Persistence of favorable seas (< 3, 6, 9, 12 ft) and unfavorable seas (⋝ 3, 6, 9, 12 ft) for east coast lightships: Portland, Maine.

JULY, AUGUST, SEPTEMBER

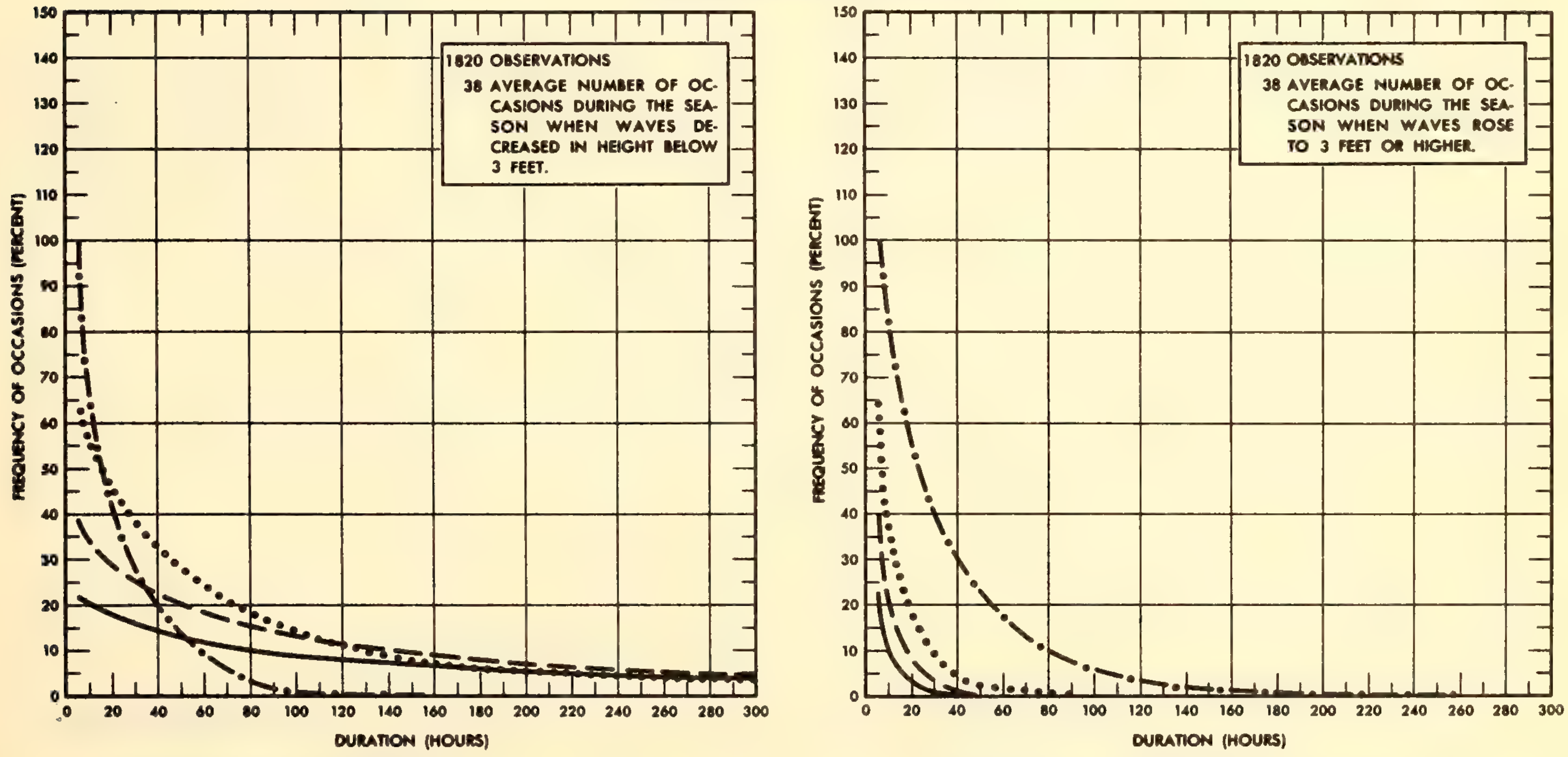


PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE SEAS (≥3, 6, 9, 12 FT.)



OCTOBER, NOVEMBER, DECEMBER



PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE SEAS (≥3, 6, 9, 12 FT.)

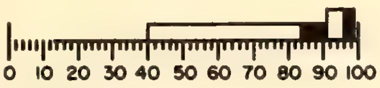
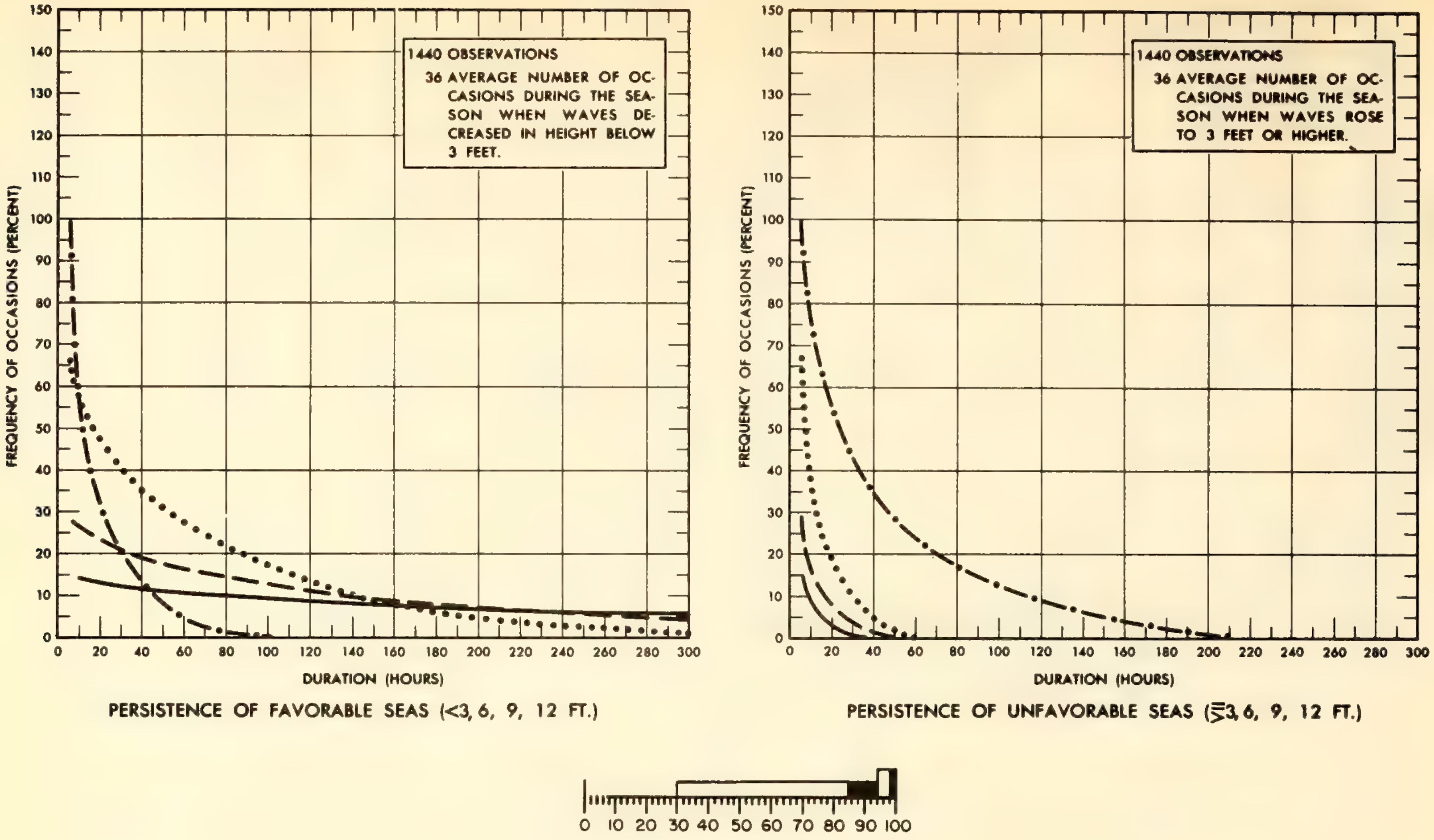


Figure II-26.--Continued.

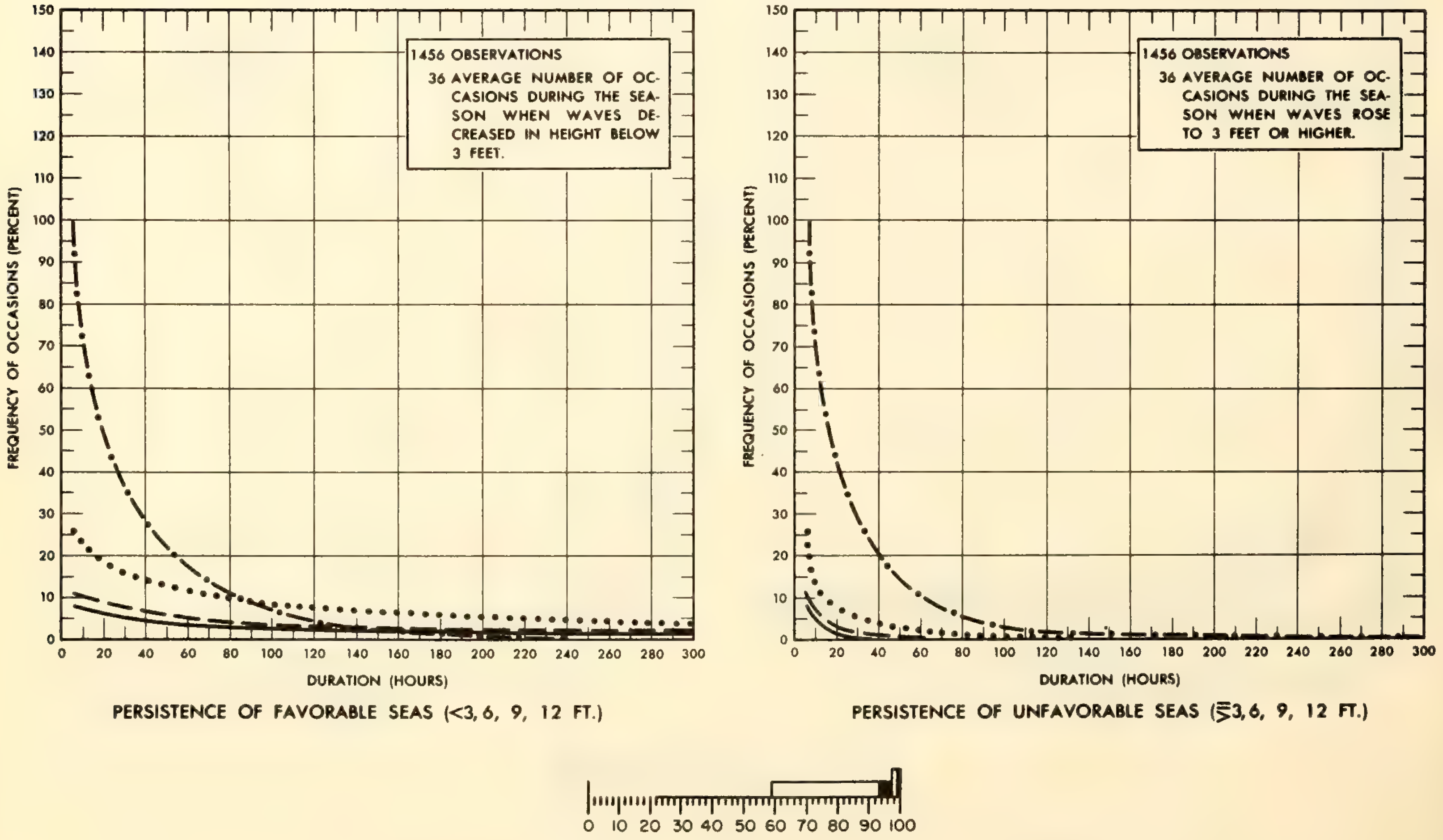
JANUARY, FEBRUARY, MARCH



PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE SEAS (⋝3, 6, 9, 12 FT.)

APRIL, MAY, JUNE



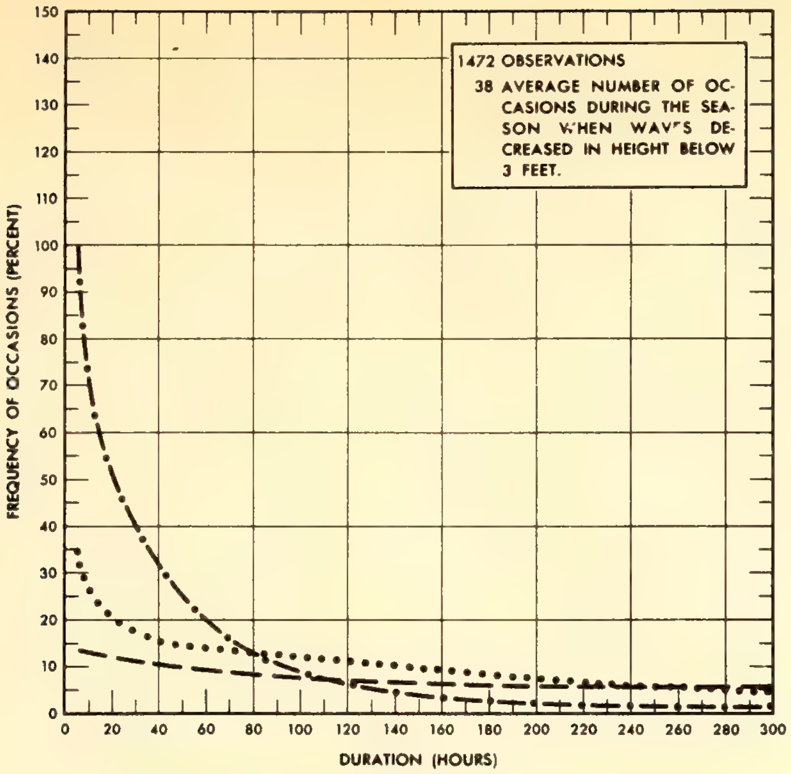
PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE SEAS (⋝3, 6, 9, 12 FT.)

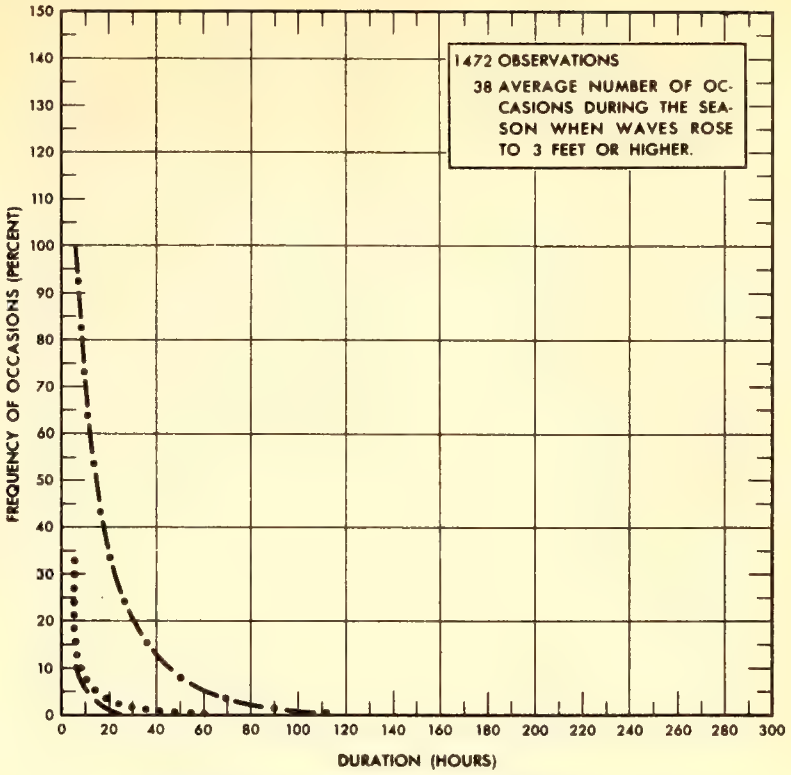
POLLOCK RIP, MASS. 41°36.1′N., 69°51.1′W.

Figure II-27.--Persistence of favorable seas (<3, 6, 9, 12 ft) and unfavorable seas (⋝3, 6, 9, 12 ft) for east coast lightships: Pollock Rip, Massachusetts.

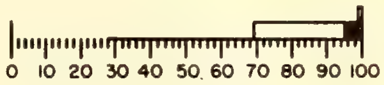
JULY, AUGUST, SEPTEMBER



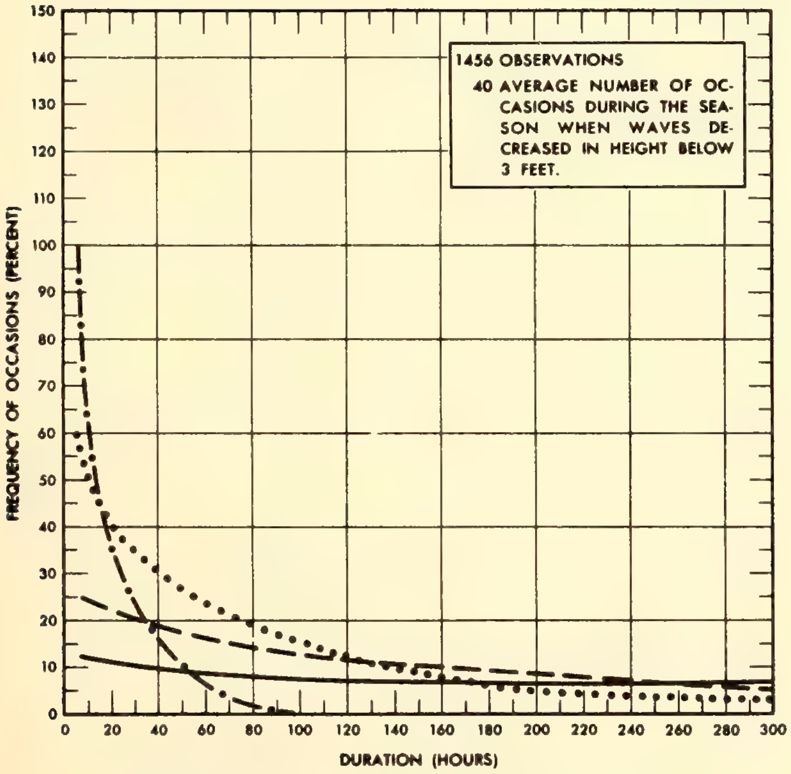
PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)



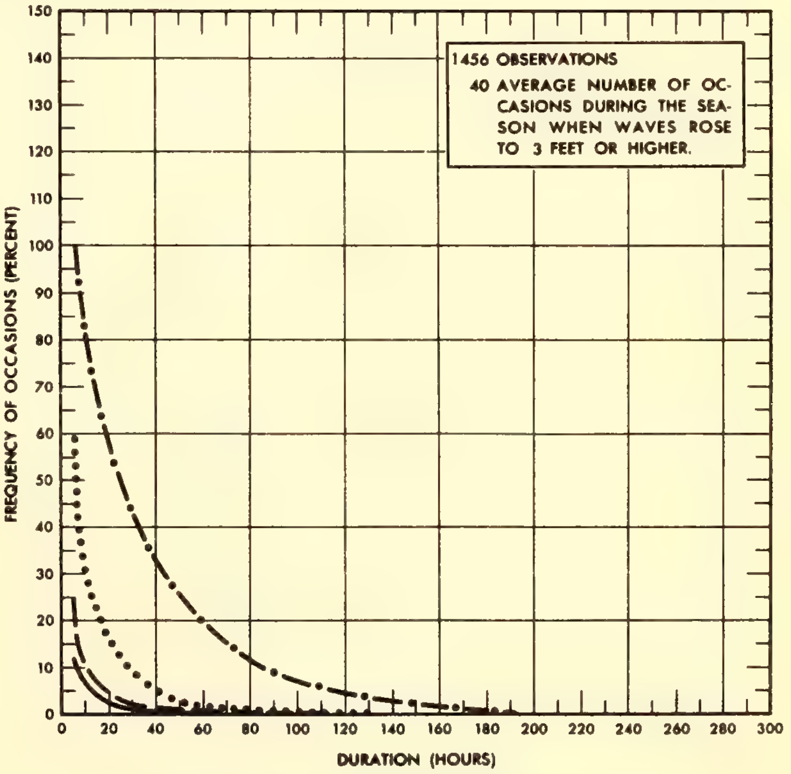
PERSISTENCE OF UNFAVORABLE SEAS (≥3, 6, 9, 12 FT.)



OCTOBER, NOVEMBER, DECEMBER



PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)



PERSISTENCE OF UNFAVORABLE SEAS (≥3, 6, 9, 12 FT.)

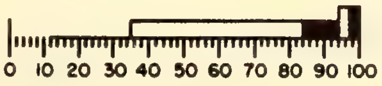
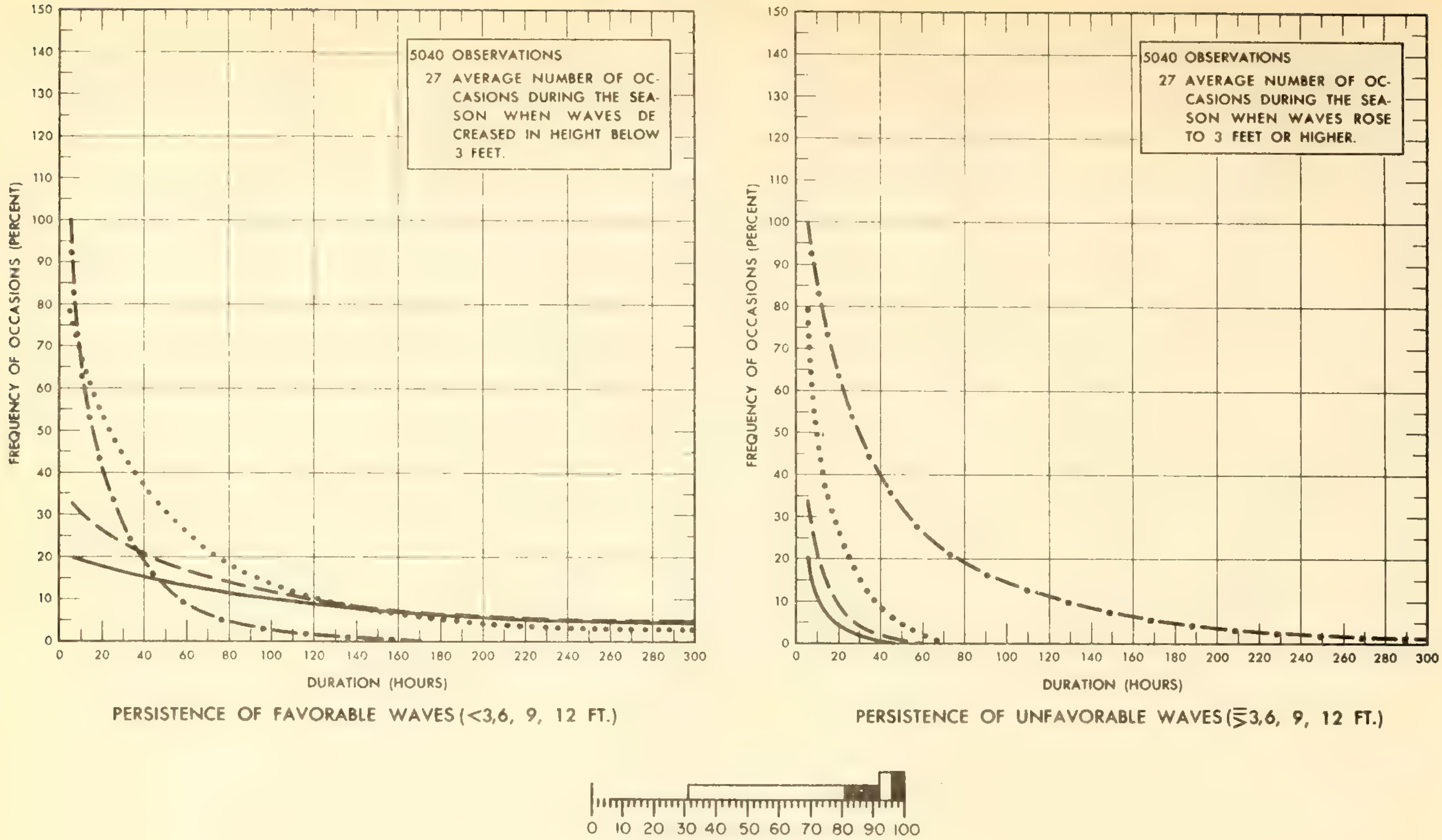


Figure II-27.--Continued.

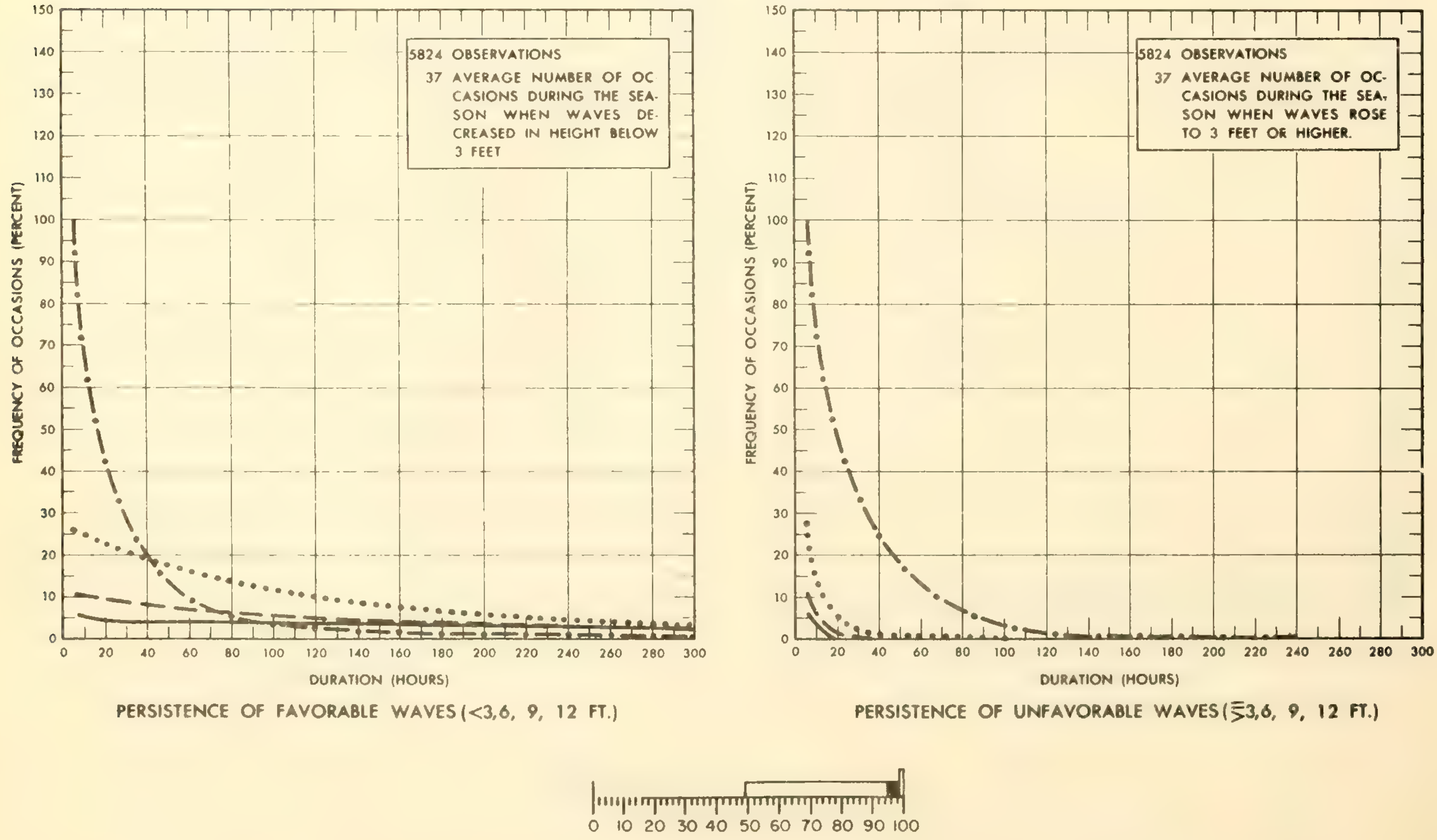
JANUARY, FEBRUARY, MARCH



PERSISTENCE OF FAVORABLE WAVES (<3,6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE WAVES (≥3,6, 9, 12 FT.)

APRIL, MAY, JUNE



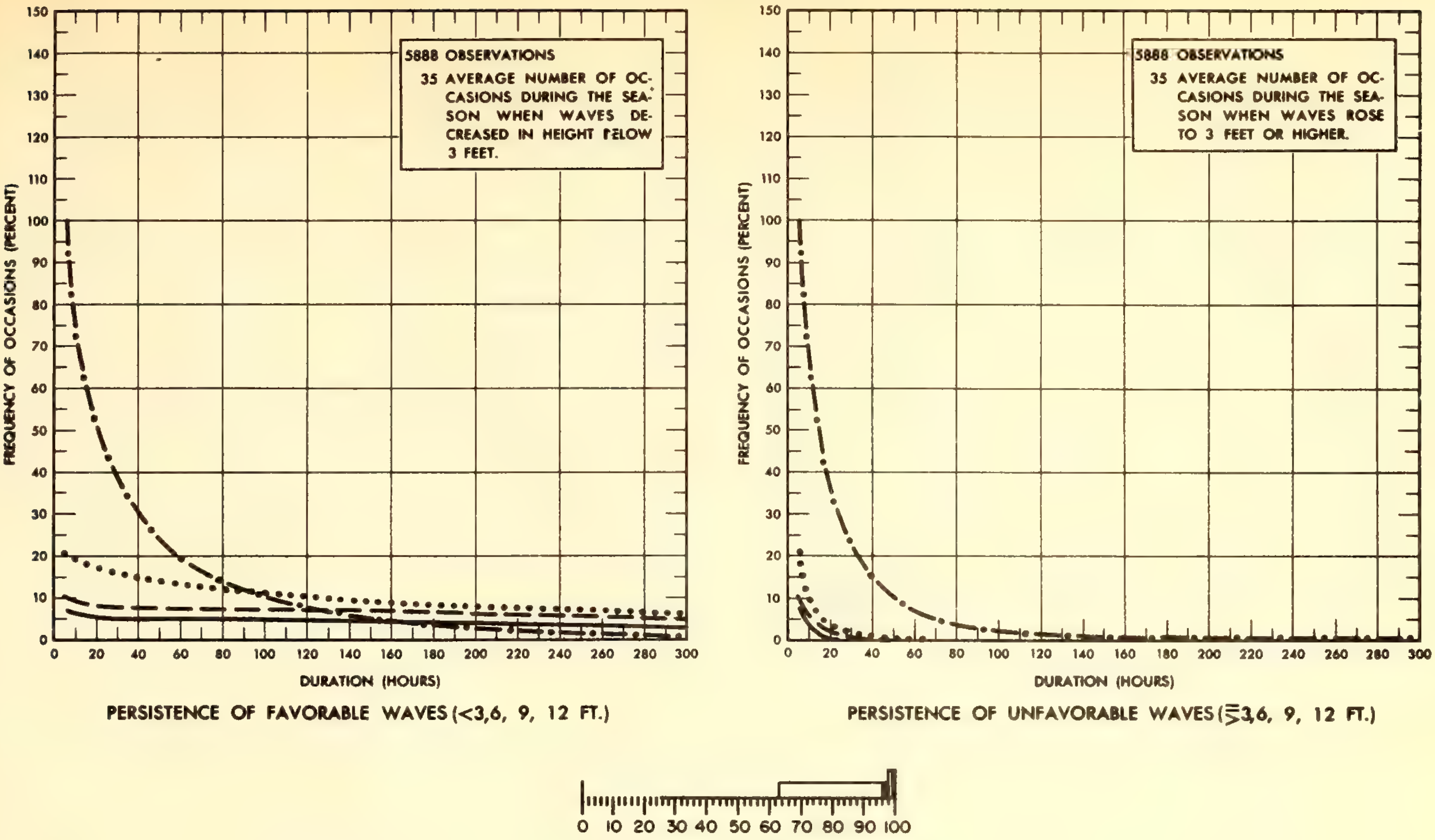
PERSISTENCE OF FAVORABLE WAVES (<3,6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE WAVES (≥3,6, 9, 12 FT.)

NANTUCKET SHOALS, MASS. 40°37.0'N., 69°18.5'W.

Figure II-28.--Persistence of favorable seas (< 3, 6, 9, 12 ft) and unfavorable seas (≥ 3, 6, 9, 12 ft) for east coast lightships: Nantucket Shoals, Massachusetts.

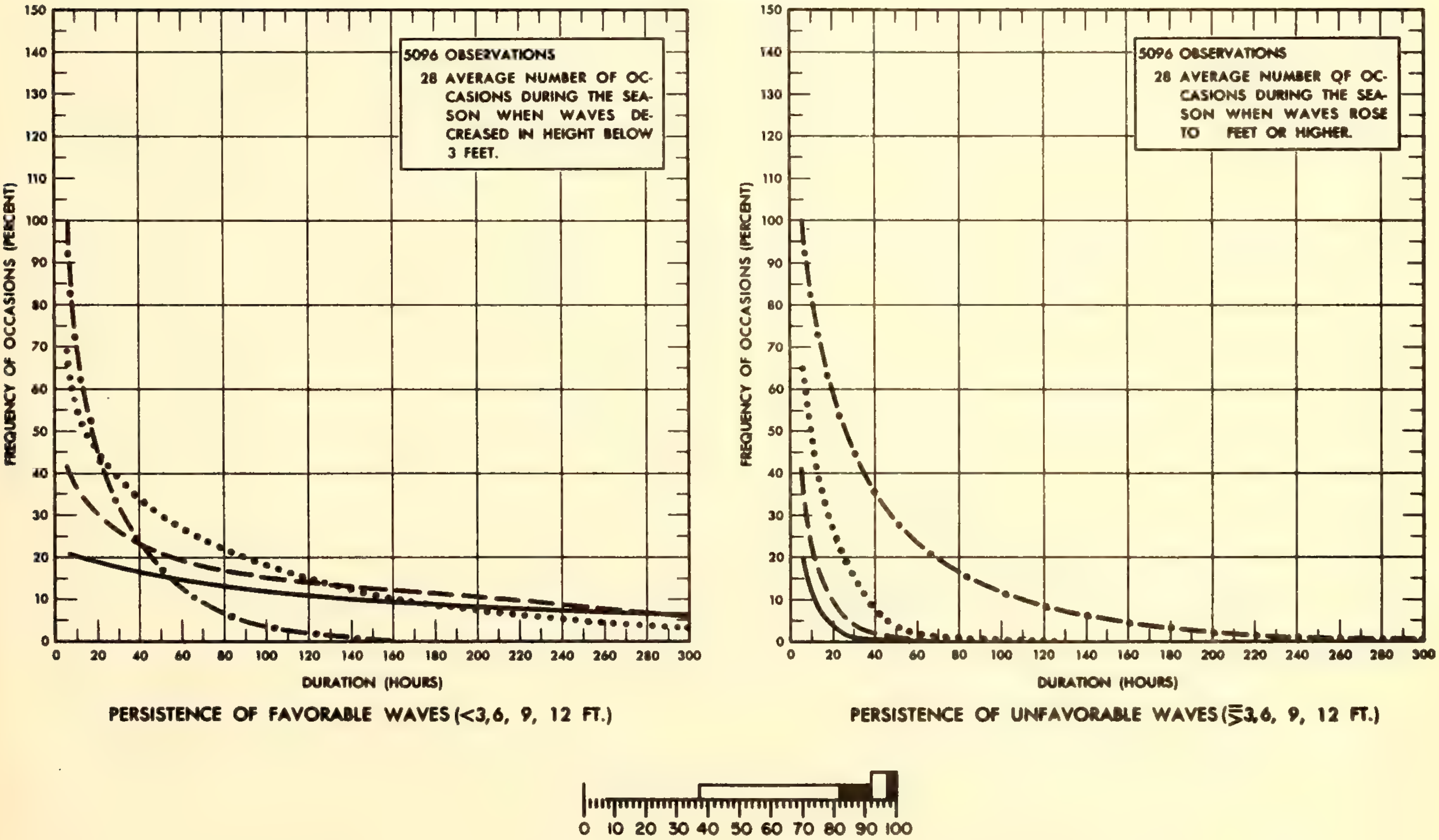
JULY, AUGUST, SEPTEMBER



PERSISTENCE OF FAVORABLE WAVES (<3,6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE WAVES (≥3,6, 9, 12 FT.)

OCTOBER, NOVEMBER, DECEMBER

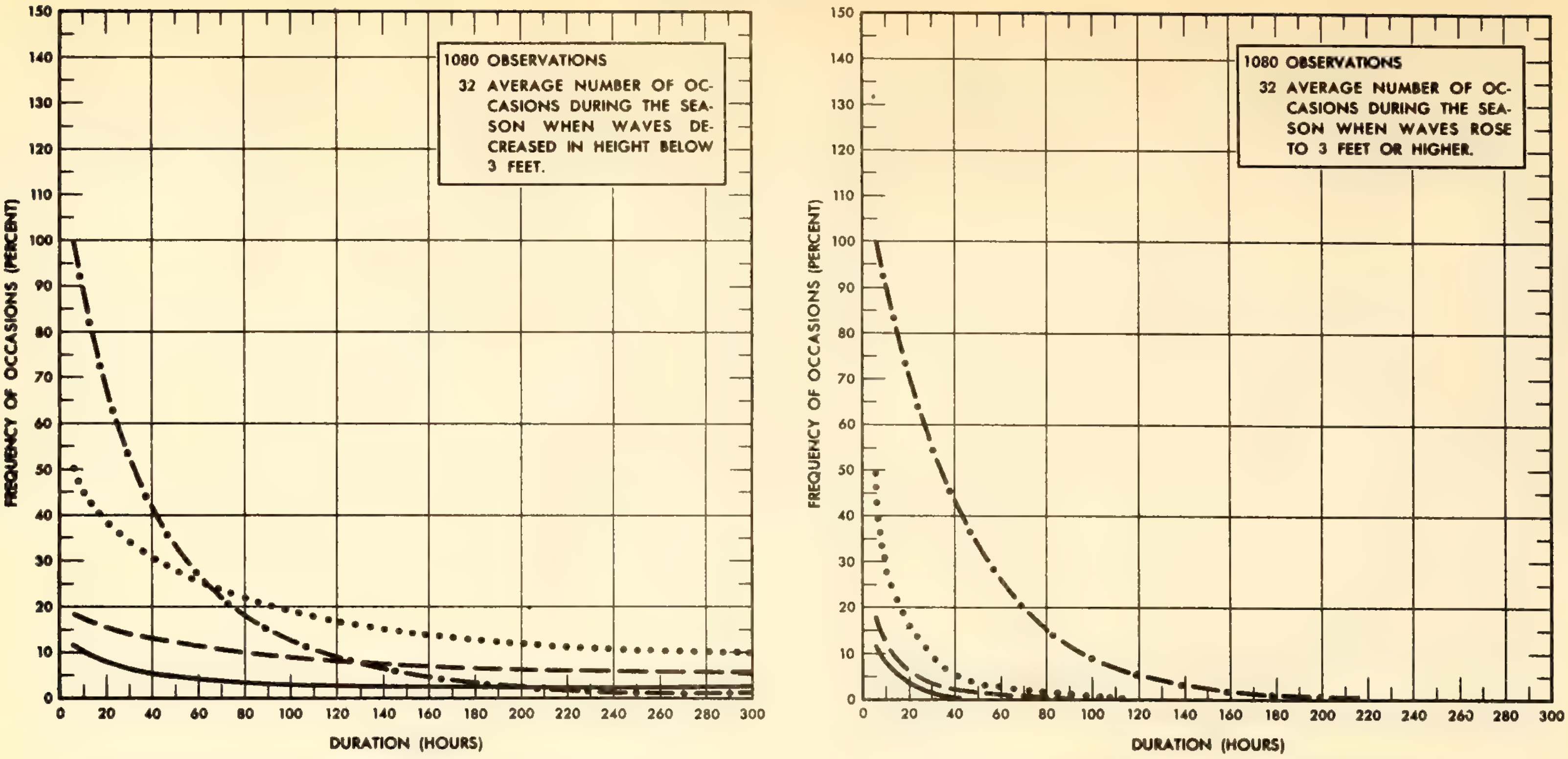


PERSISTENCE OF FAVORABLE WAVES (<3,6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE WAVES (≥3,6, 9, 12 FT.)

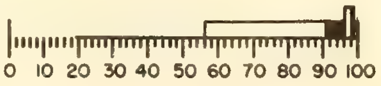
Figure II-28.--Continued.

JANUARY, FEBRUARY, MARCH

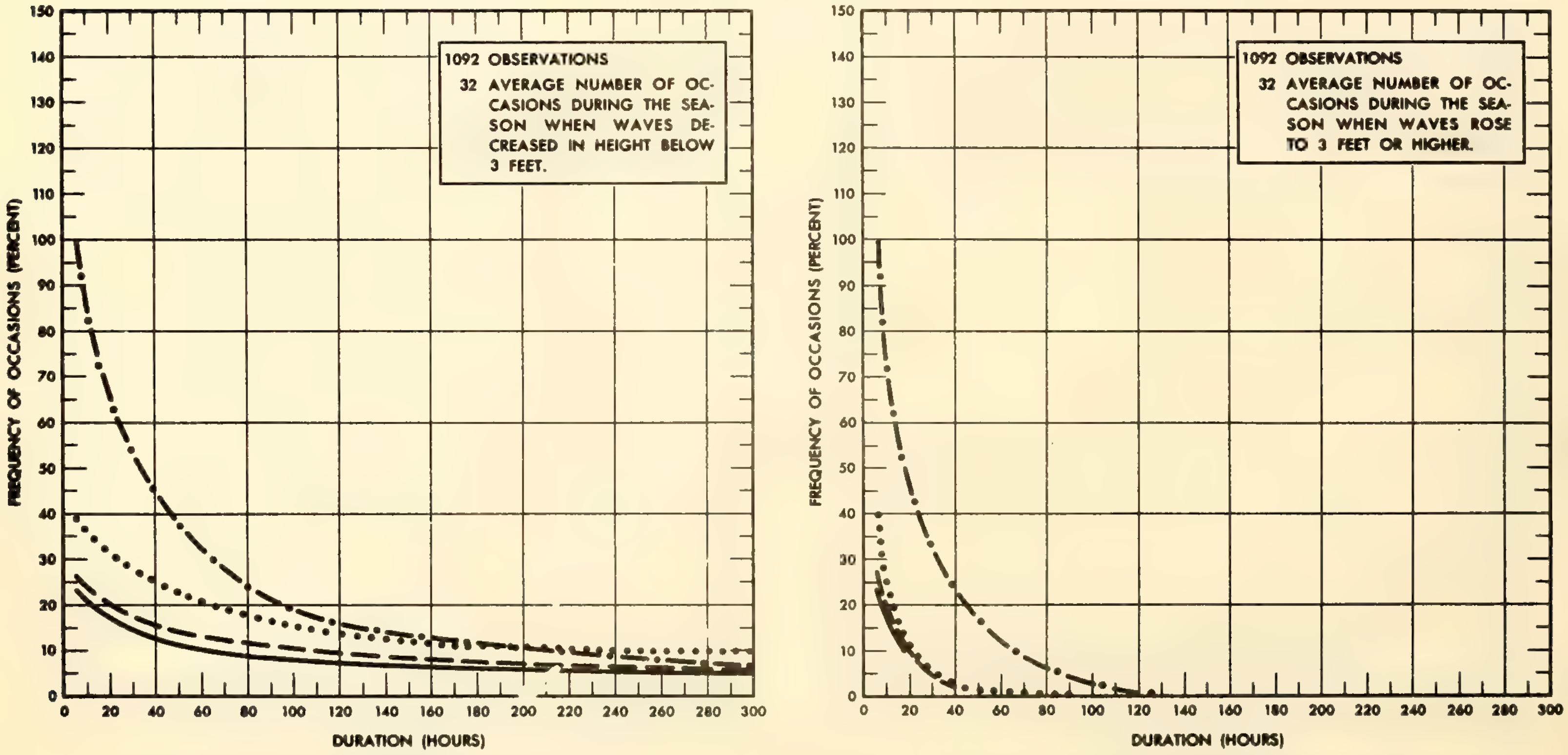


PERSISTENCE OF FAVORABLE WAVES (<3,6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE WAVES (≧3,6, 9, 12 FT.)

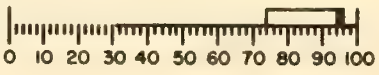


APRIL, MAY, JUNE



PERSISTENCE OF FAVORABLE WAVES (<3,6, 9, 12 FT.)

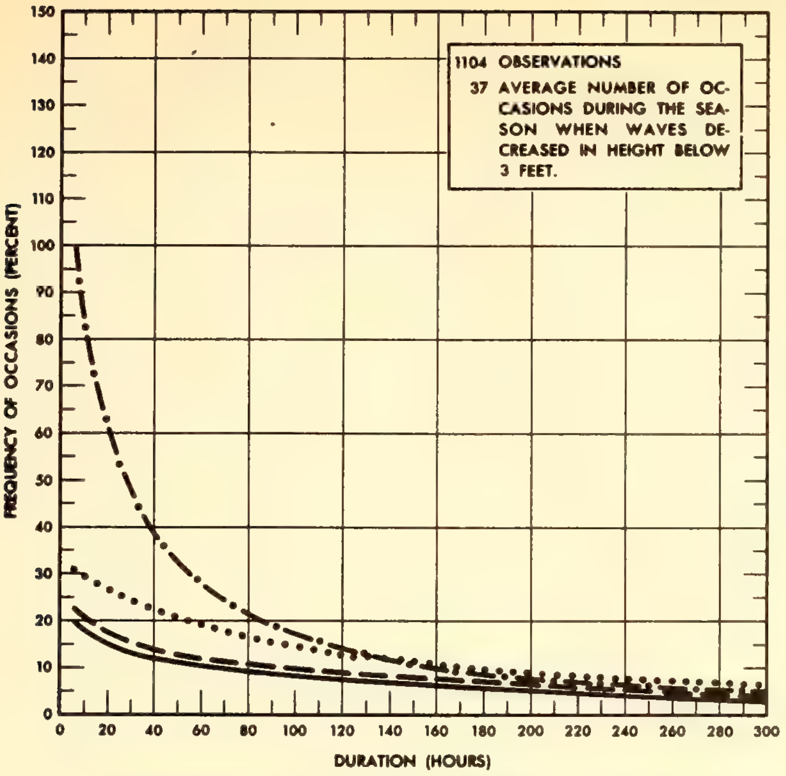
PERSISTENCE OF UNFAVORABLE WAVES (≧3,6, 9, 12 FT.)



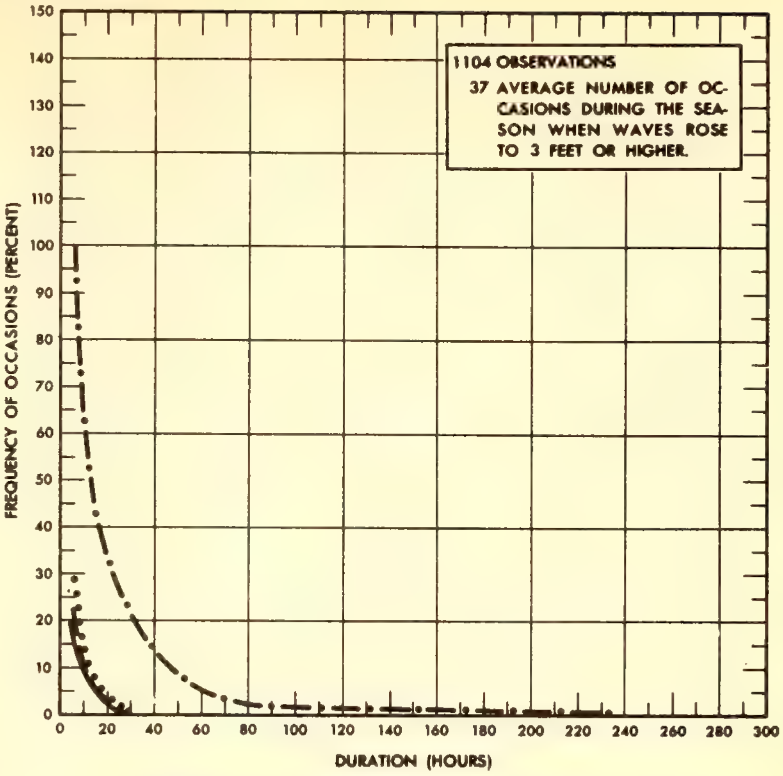
BUZZARDS BAY, MASS. 41°24.0'N., 71°3.0'W.

Figure II-29.--Persistence of favorable seas (<3, 6, 9, 12 ft) and unfavorable seas (≧3, 6, 9, 12 ft) for east coast lightships: Buzzards Bay, Massachusetts.

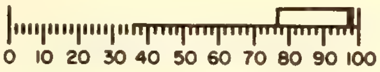
JULY, AUGUST, SEPTEMBER



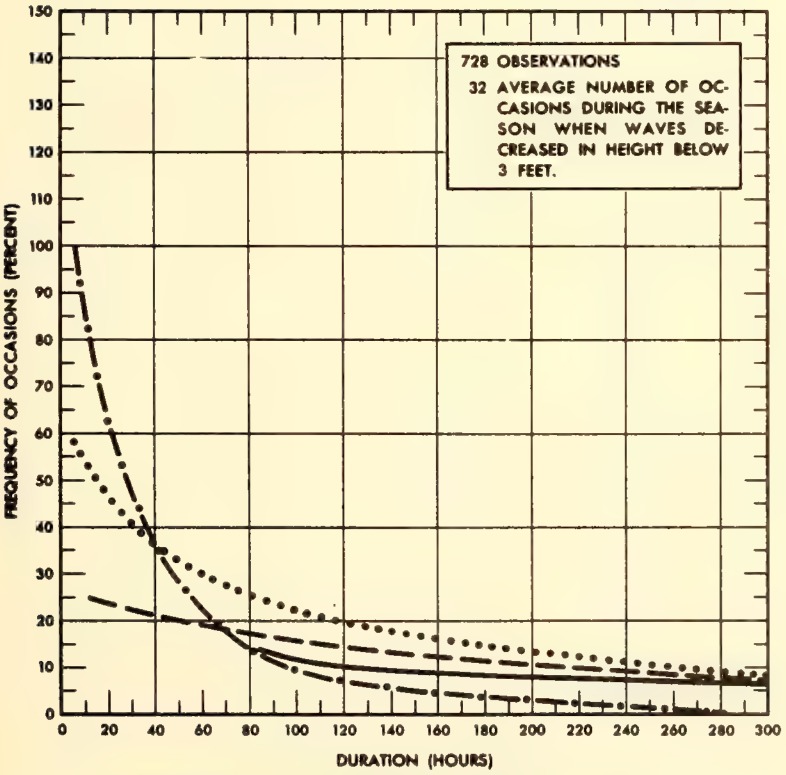
PERSISTENCE OF FAVORABLE WAVES (<3,6, 9, 12 FT.)



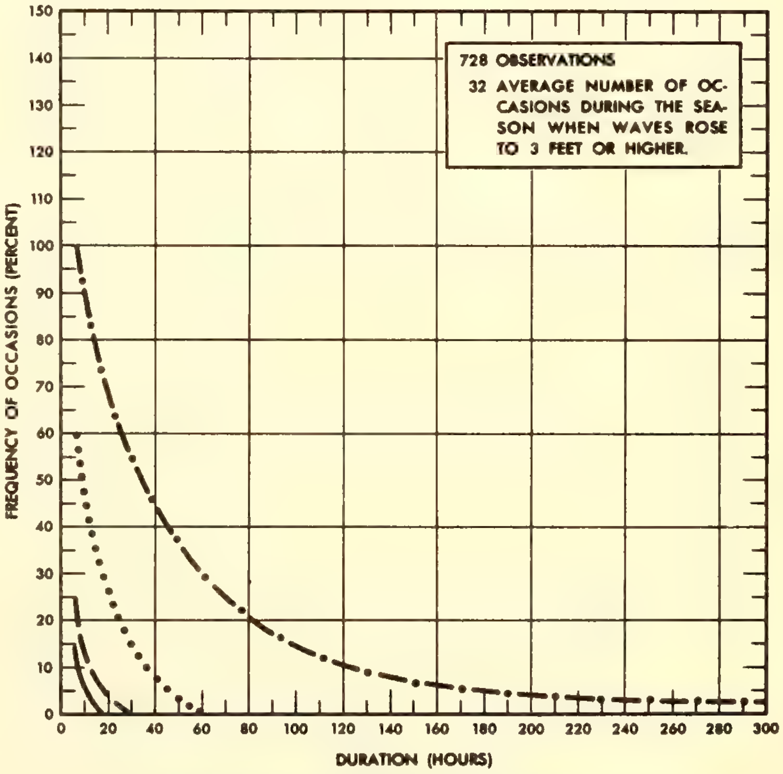
PERSISTENCE OF UNFAVORABLE WAVES (≥3,6, 9, 12 FT.)



OCTOBER, NOVEMBER, DECEMBER



PERSISTENCE OF FAVORABLE WAVES (<3,6, 9, 12 FT.)



PERSISTENCE OF UNFAVORABLE WAVES (≥3,6, 9, 12 FT.)

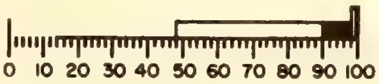
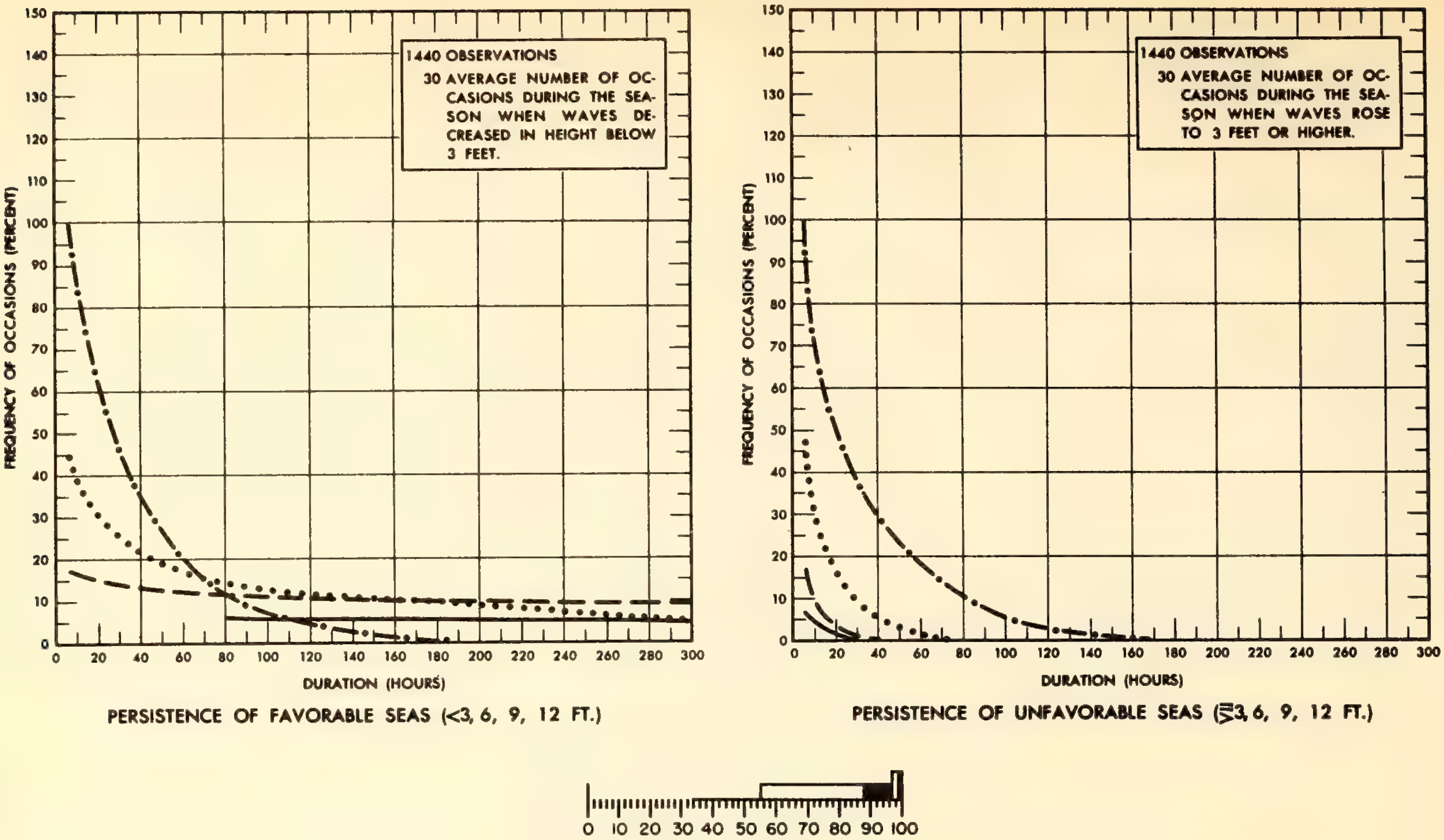
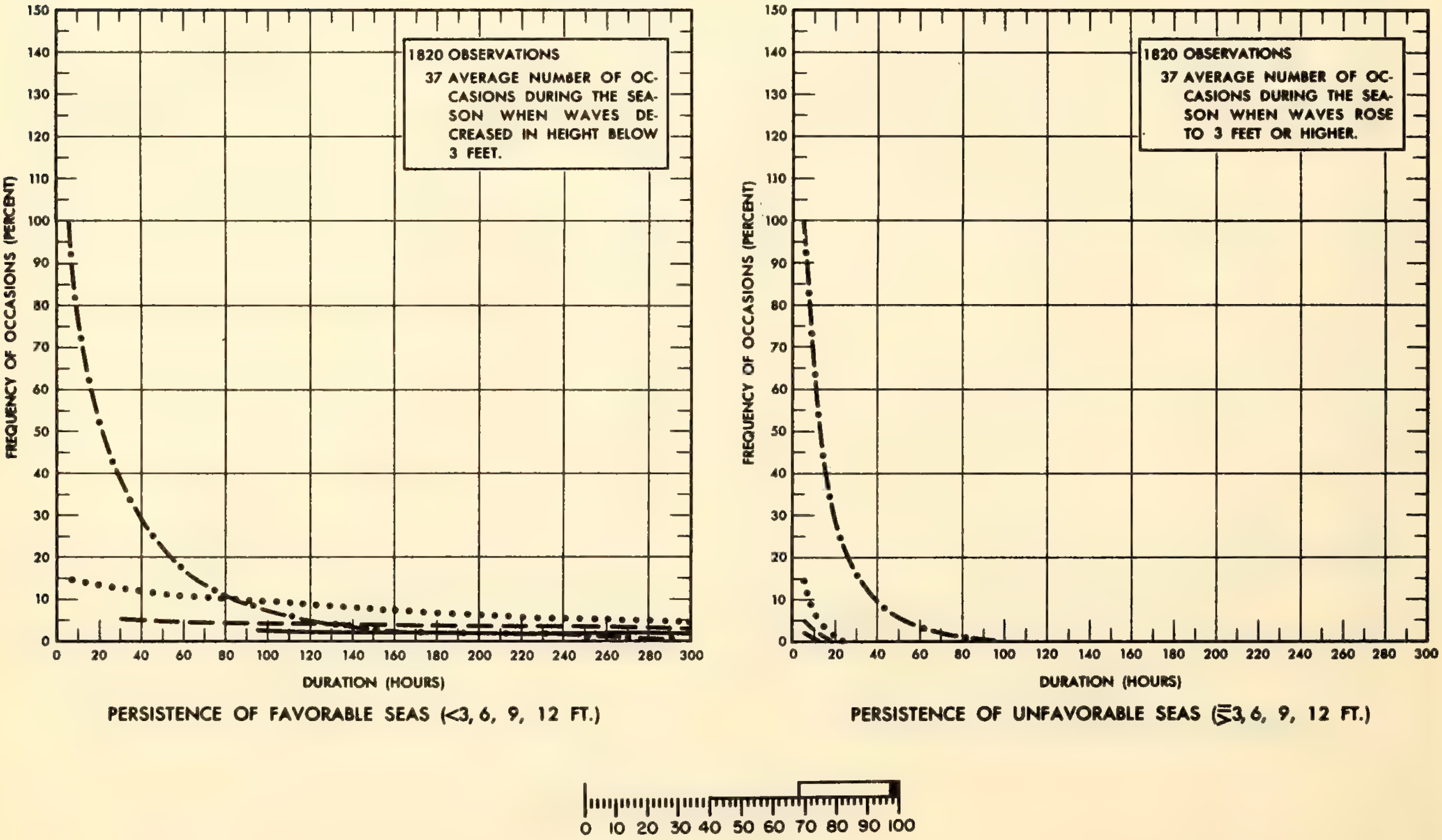


Figure II-29.--Continued.

JANUARY, FEBRUARY, MARCH



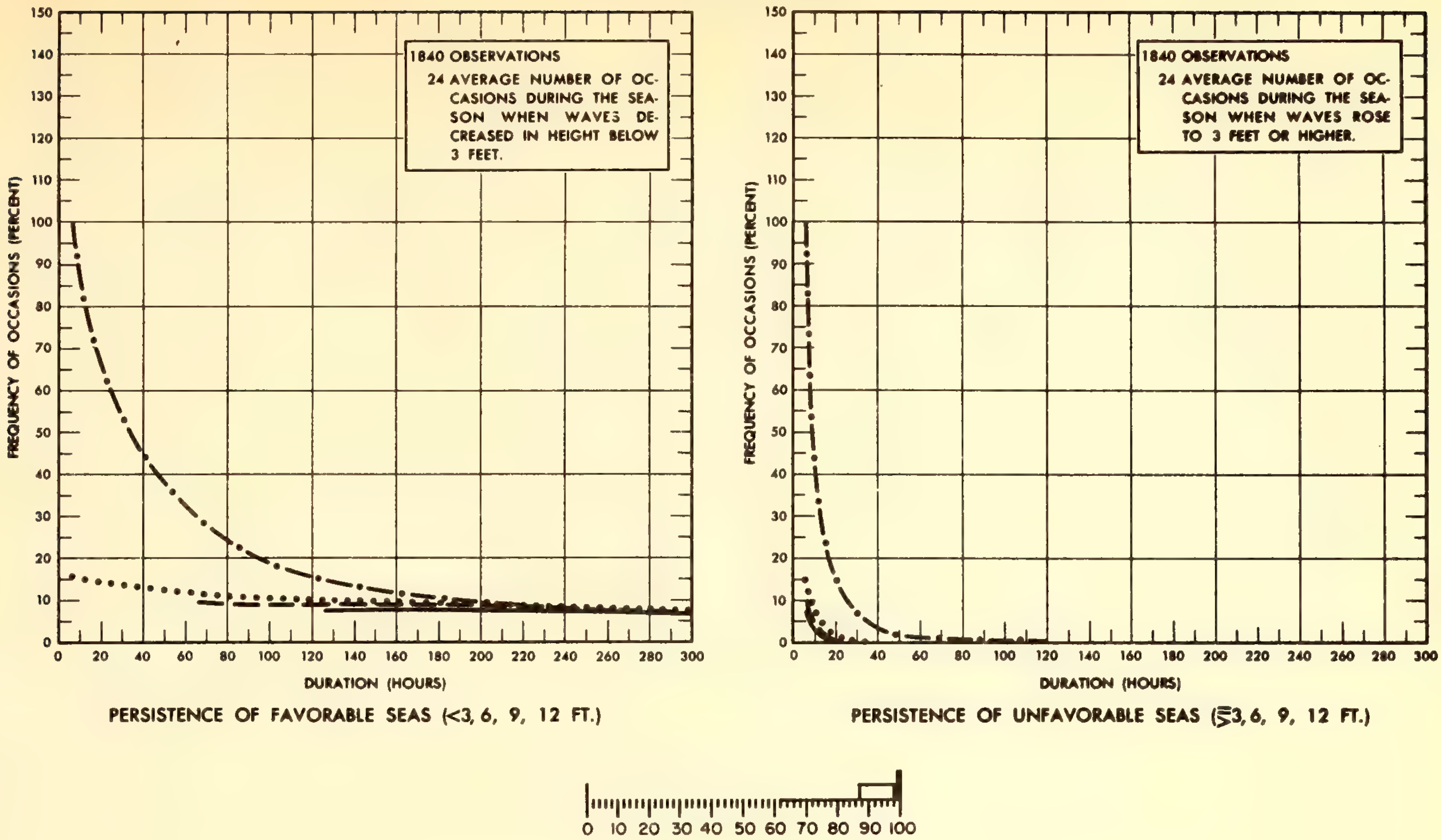
APRIL, MAY, JUNE



AMBROSE CHANNEL, N. Y. 40°27.1'N., 73°49.4'W.

Figure II-30.--Persistence of favorable seas (<3, 6, 9, 12 ft) and unfavorable seas (≥3, 6, 9, 12 ft) for east coast lightships: Ambrose Channel, New York.

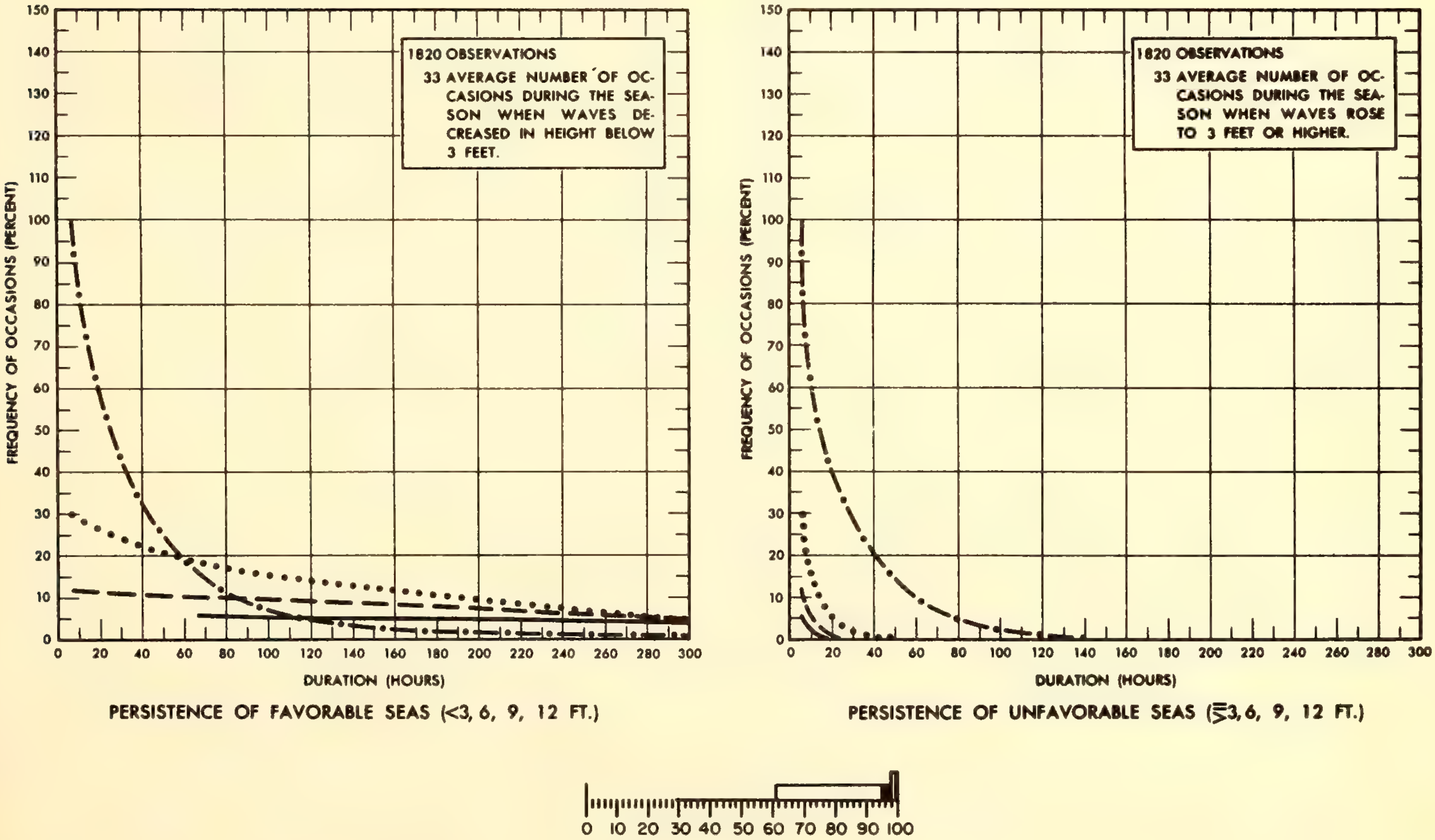
JULY, AUGUST, SEPTEMBER



PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE SEAS (≧3, 6, 9, 12 FT.)

OCTOBER, NOVEMBER, DECEMBER

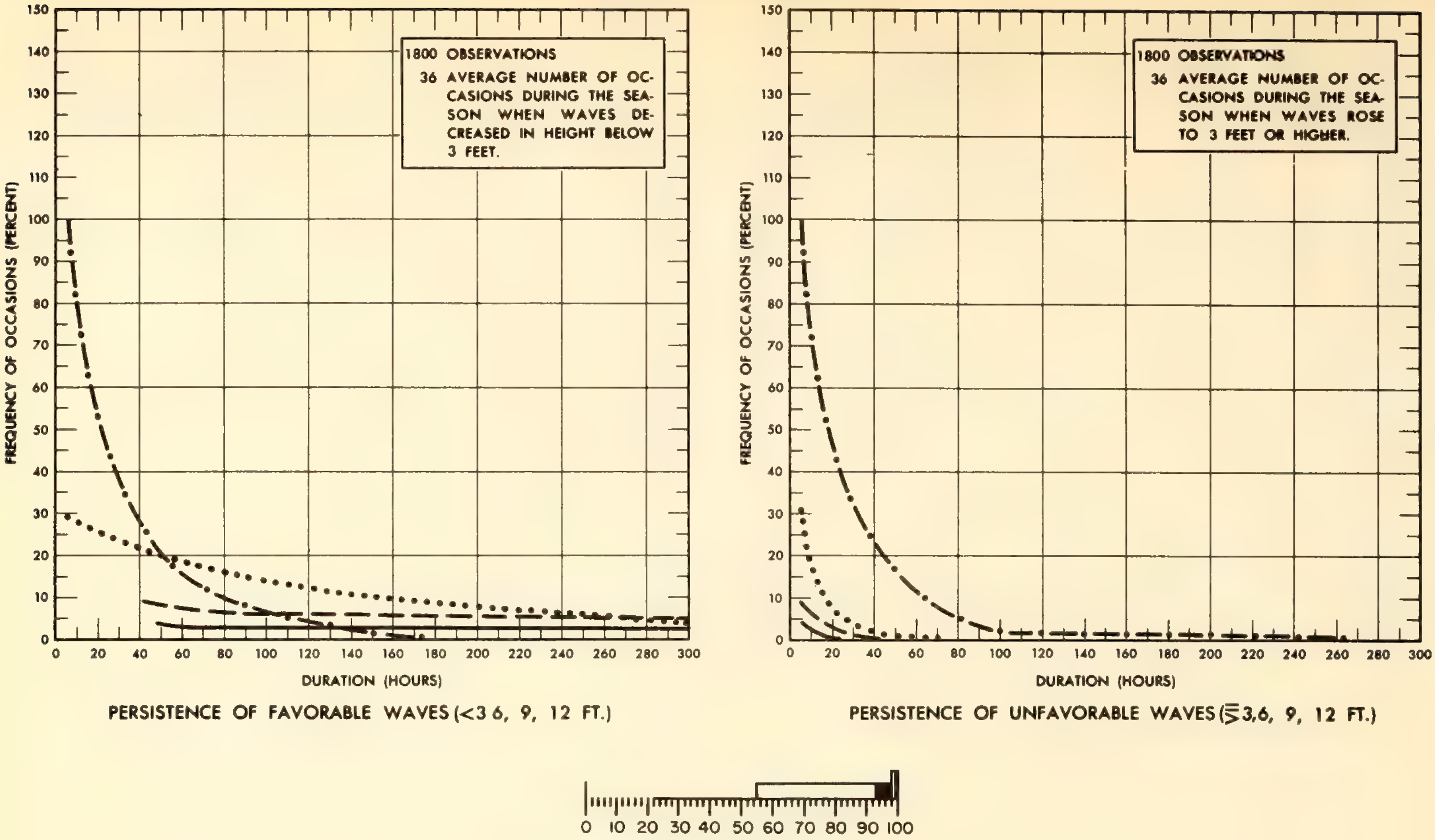


PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE SEAS (≧3, 6, 9, 12 FT.)

Figure II-30.--Continued.

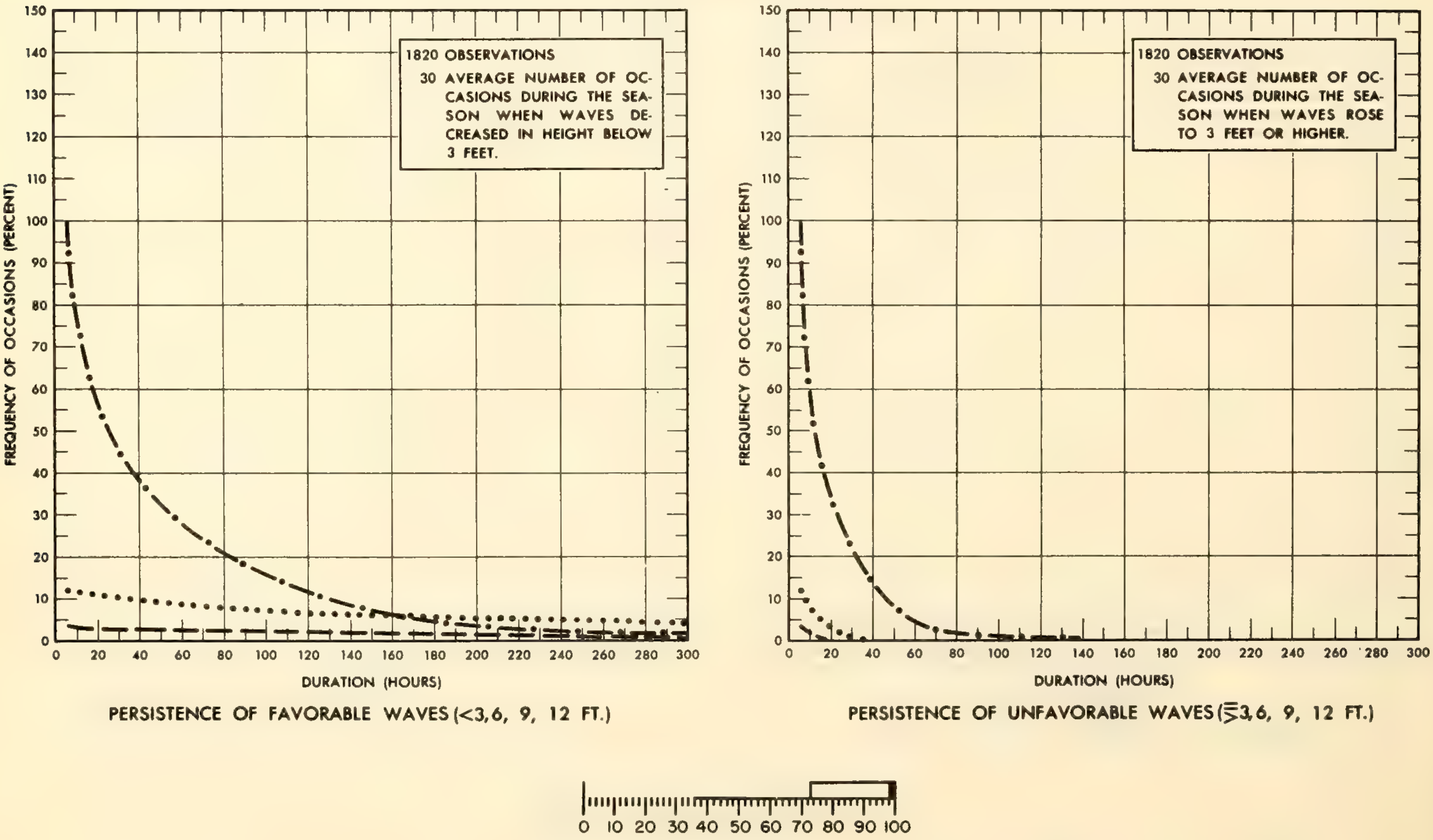
JANUARY, FEBRUARY, MARCH



PERSISTENCE OF FAVORABLE WAVES (<3 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE WAVES (⋝3,6, 9, 12 FT.)

APRIL, MAY, JUNE



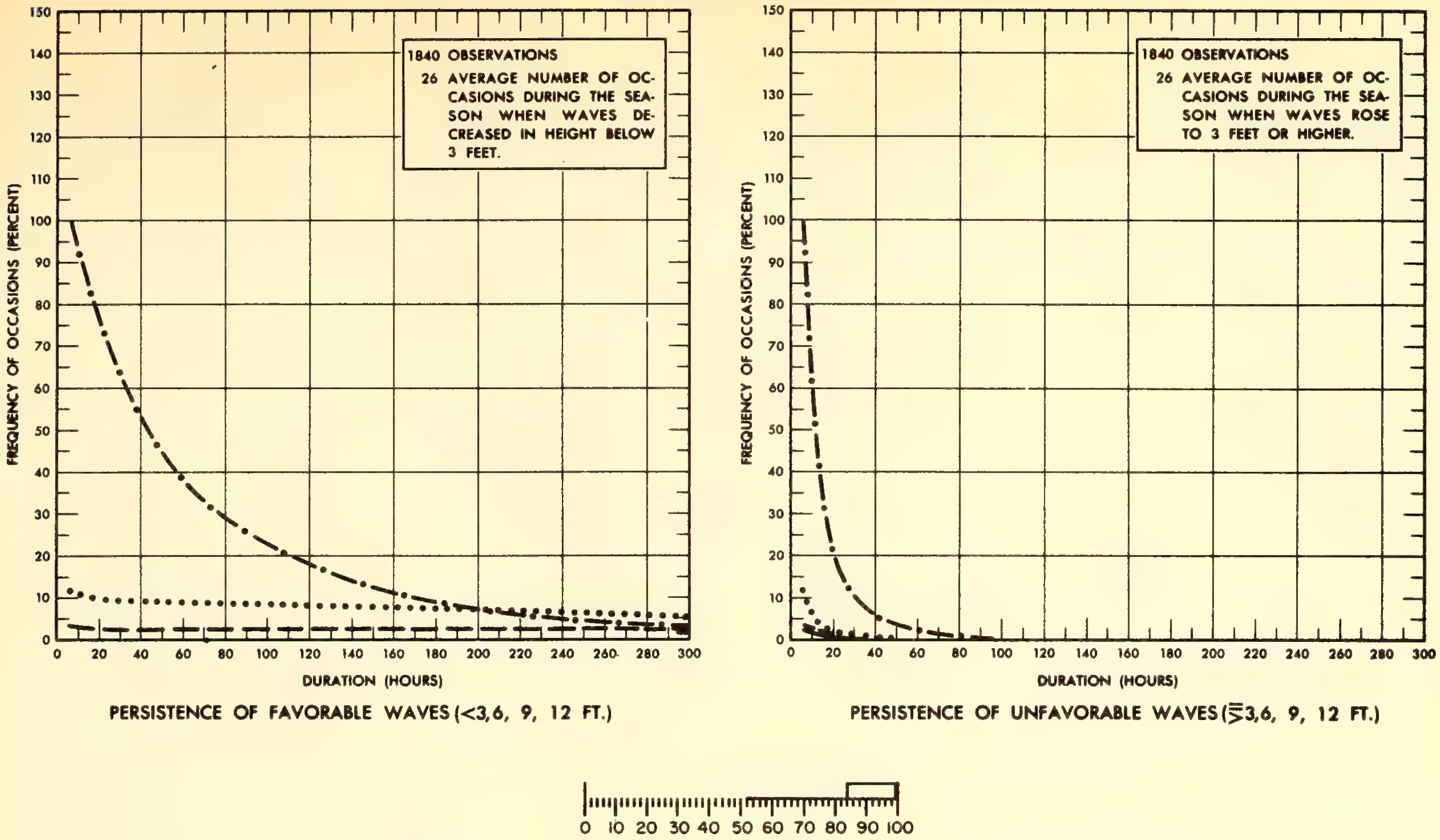
PERSISTENCE OF FAVORABLE WAVES (<3,6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE WAVES (⋝3,6, 9, 12 FT.)

BARNEGAT, N. J. 39°45.8′N., 73°56.0′W.

Figure II-31.--Persistence of favorable seas (<3, 6, 9, 12 ft) and unfavorable seas (⋝3, 6, 9, 12 ft) for east coast lightships: Barnegat, New Jersey

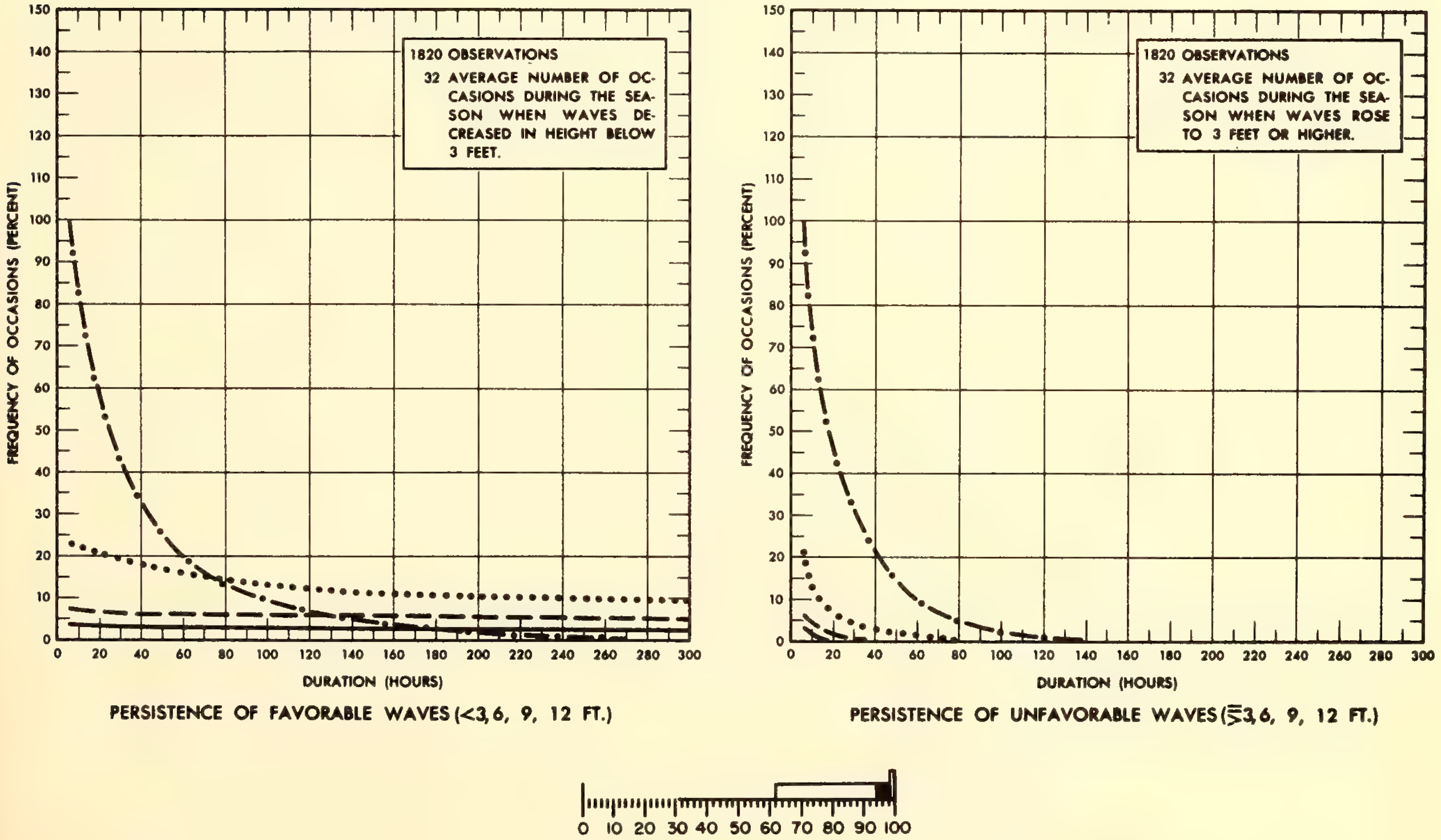
JULY, AUGUST, SEPTEMBER



PERSISTENCE OF FAVORABLE WAVES (<3, 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE WAVES (≥3, 6, 9, 12 FT.)

OCTOBER, NOVEMBER, DECEMBER

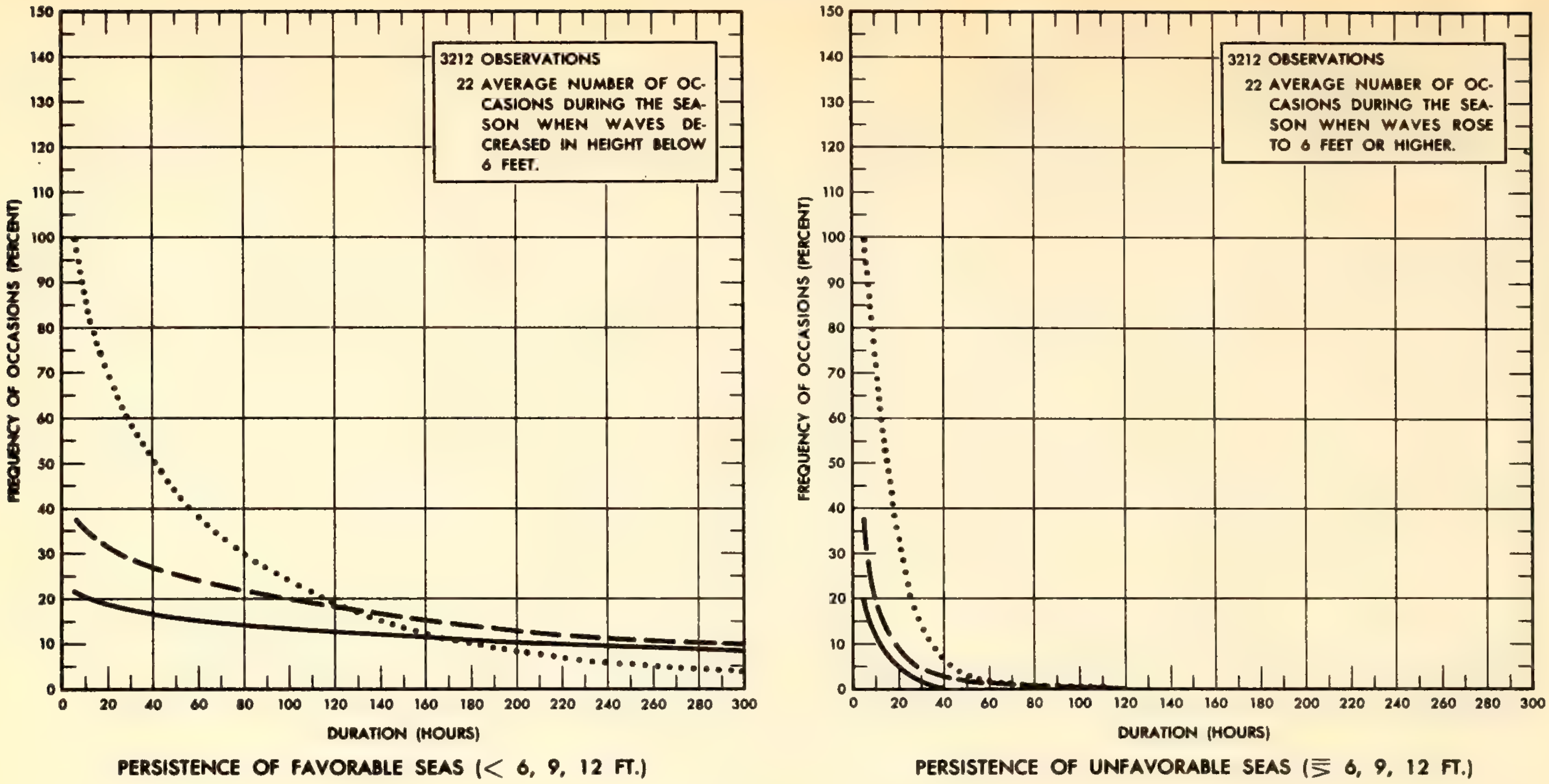


PERSISTENCE OF FAVORABLE WAVES (<3, 6, 9, 12 FT.)

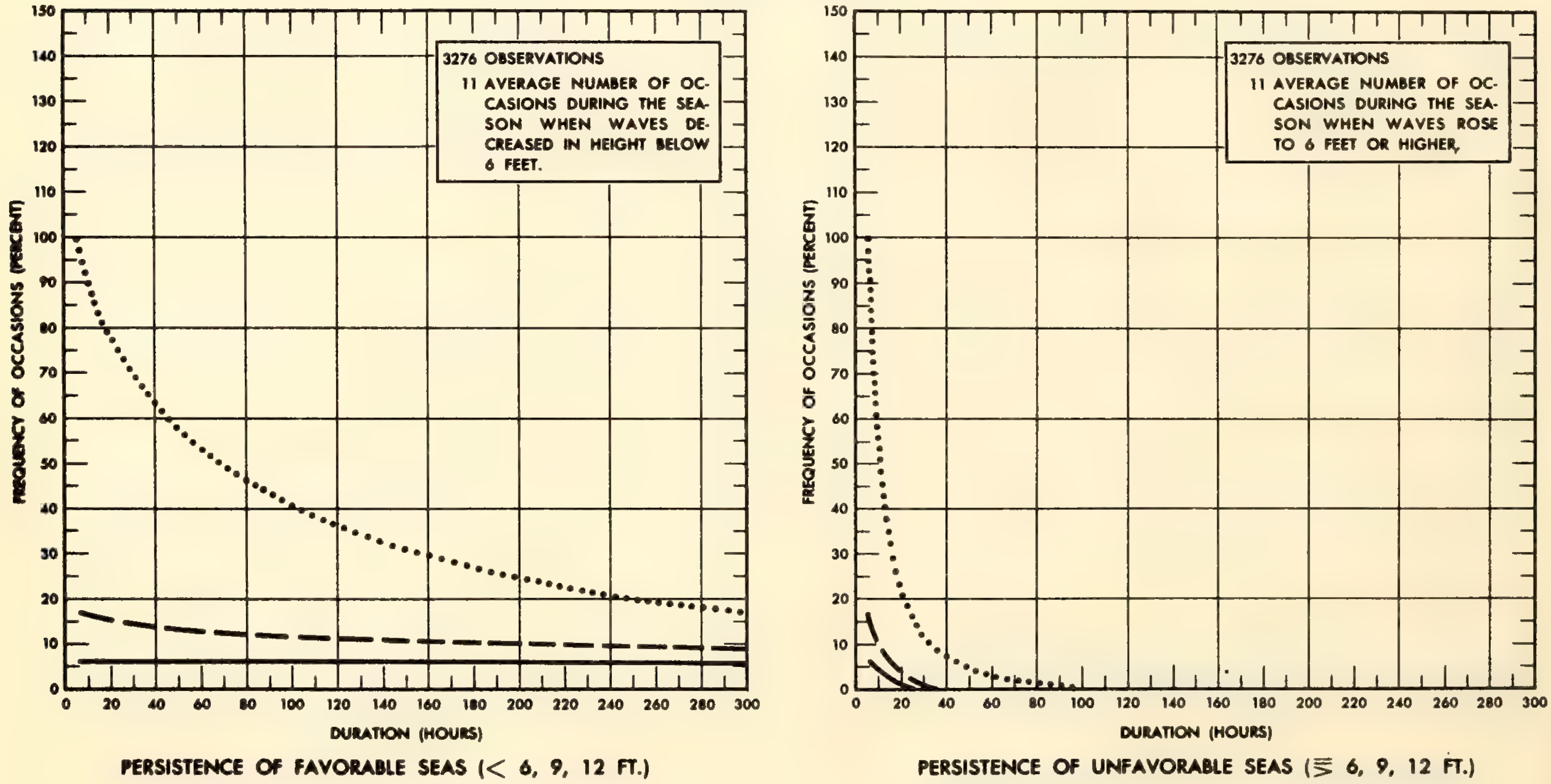
PERSISTENCE OF UNFAVORABLE WAVES (≥3, 6, 9, 12 FT.)

Figure II-31.--Continued.

JANUARY, FEBRUARY, MARCH



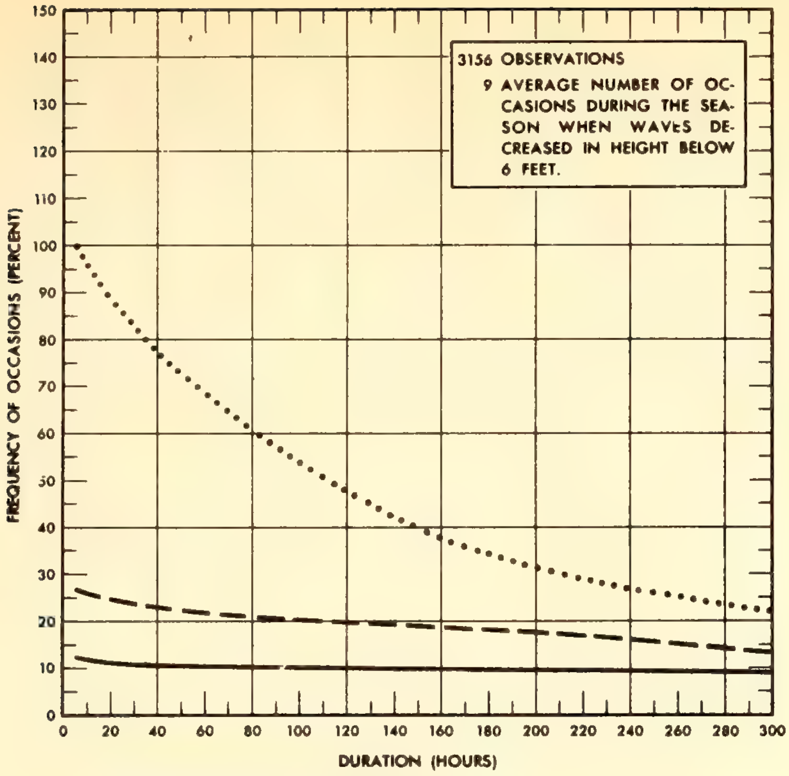
APRIL, MAY, JUNE



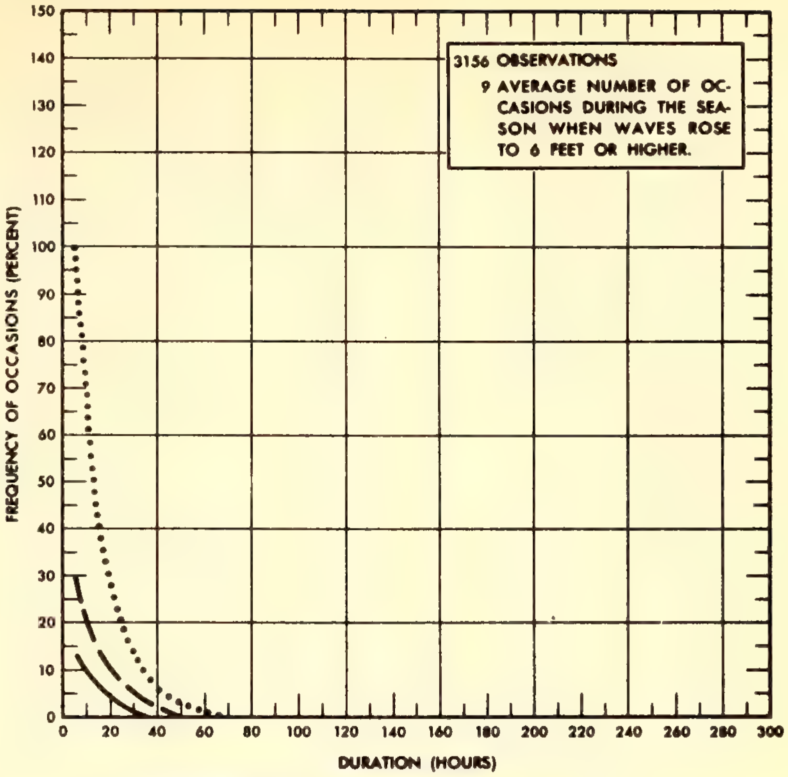
FIVE FATHOM BANK, N. J. 38°47.3′N., 74°34.6′W.

Figure II-32.--Persistence of favorable seas (<3, 6, 9, 12 ft) and unfavorable seas (⋝3, 6, 9, 12 ft) for east coast lightships: Five Fathom Bank, New Jersey.

JULY, AUGUST, SEPTEMBER

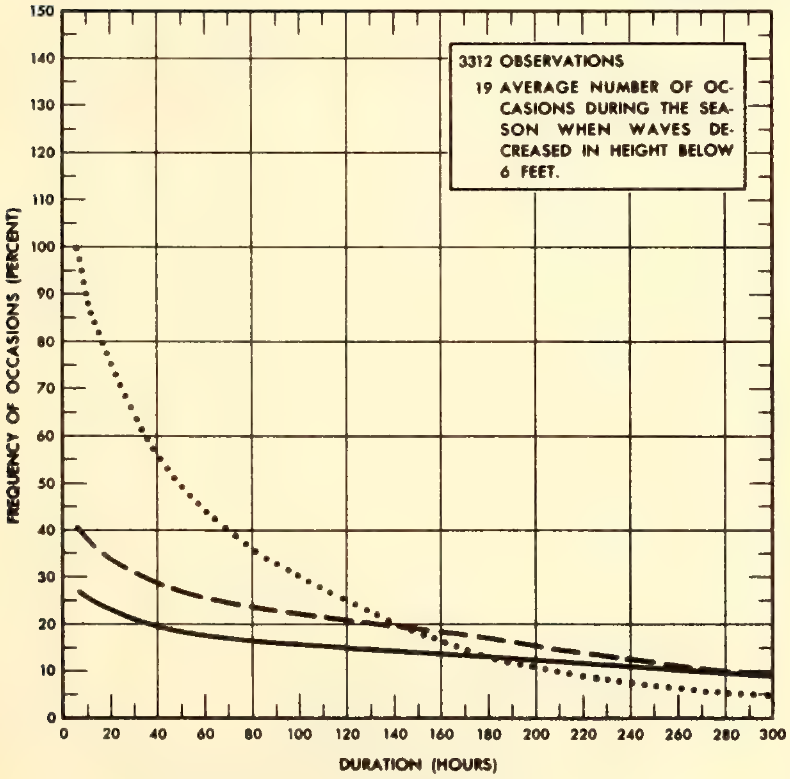


PERSISTENCE OF FAVORABLE SEAS (< 6, 9, 12 FT.)

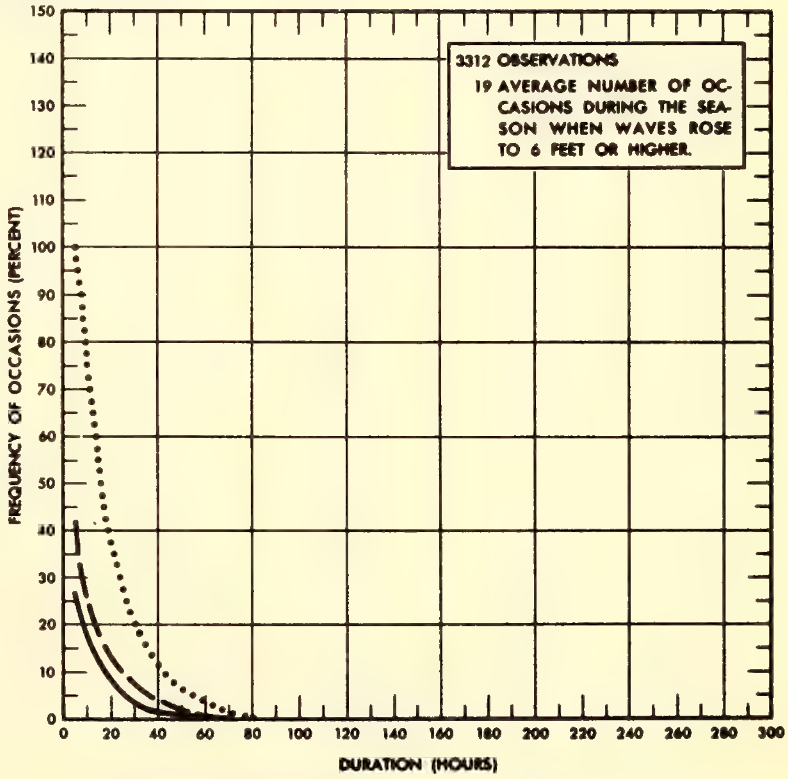


PERSISTENCE OF UNFAVORABLE SEAS (⋝ 6, 9, 12 FT.)

OCTOBER, NOVEMBER, DECEMBER



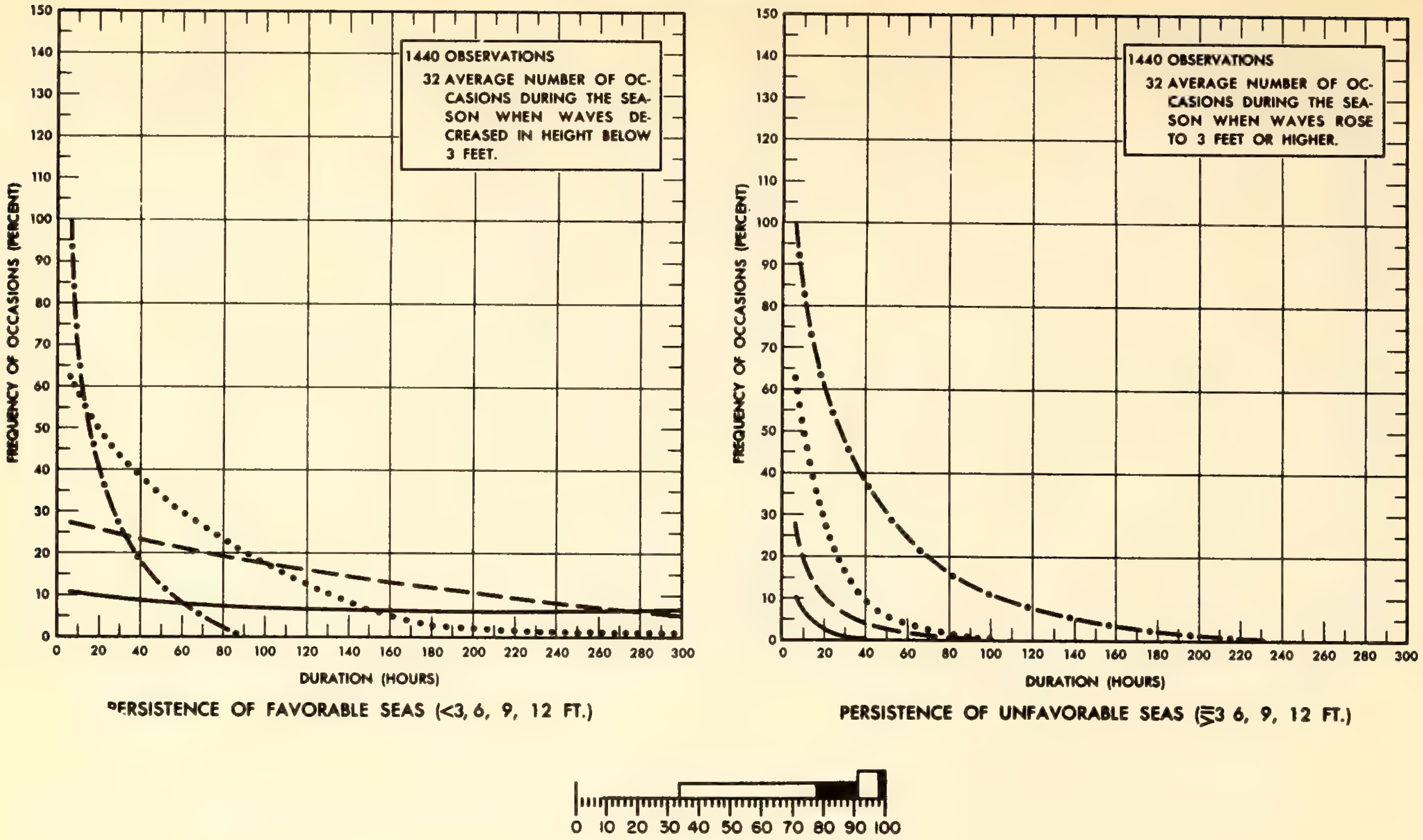
PERSISTENCE OF FAVORABLE SEAS (< 6, 9, 12 FT.)



PERSISTENCE OF UNFAVORABLE SEAS (⋝ 6, 9, 12 FT.)

Figure II-32.--Continued.

JANUARY, FEBRUARY, MARCH



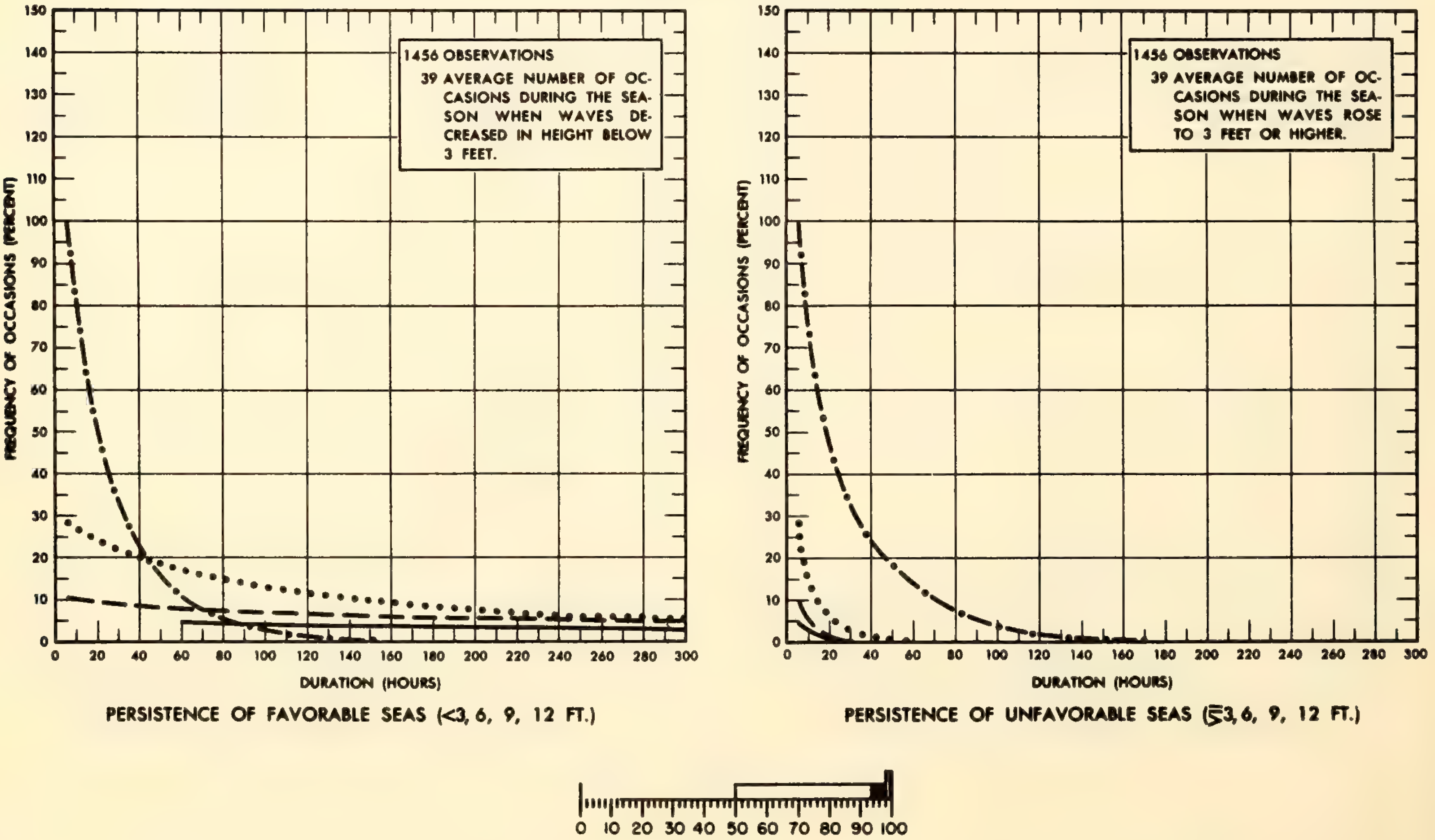
1440 OBSERVATIONS
32 AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES DECREASED IN HEIGHT BELOW 3 FEET.

PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

1440 OBSERVATIONS
32 AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES ROSE TO 3 FEET OR HIGHER.

PERSISTENCE OF UNFAVORABLE SEAS (⋝3 6, 9, 12 FT.)

APRIL, MAY, JUNE



1456 OBSERVATIONS
39 AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES DECREASED IN HEIGHT BELOW 3 FEET.

PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

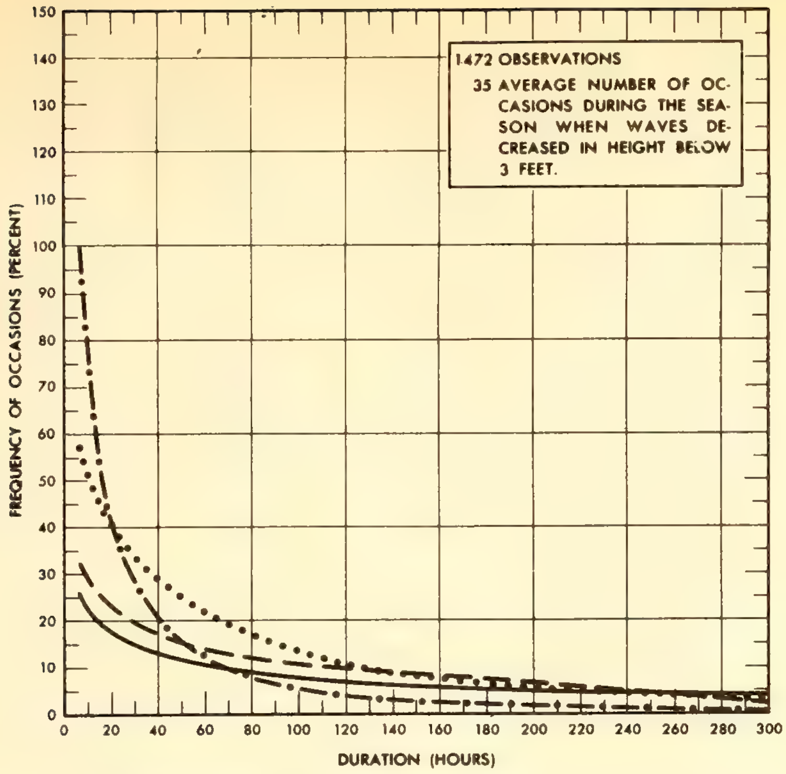
1456 OBSERVATIONS
39 AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES ROSE TO 3 FEET OR HIGHER.

PERSISTENCE OF UNFAVORABLE SEAS (⋝3, 6, 9, 12 FT.)

CHESAPEAKE, VA. 36°58.7′N., 75°42.2′W.

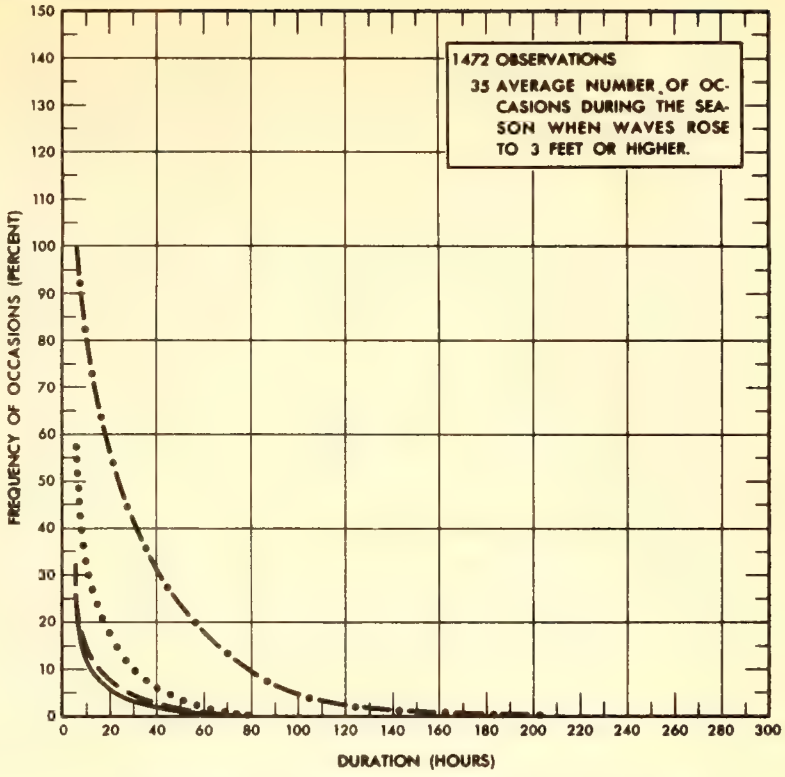
Figure II-33.--Persistence of favorable seas (<3, 6, 9, 12 ft) and unfavorable seas (⋝3, 6, 9, 12 ft) for east coast lightships: Chesapeake, Virginia.

JULY, AUGUST, SEPTEMBER



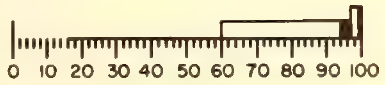
1472 OBSERVATIONS
35 AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES DECREASED IN HEIGHT BELOW 3 FEET.

PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

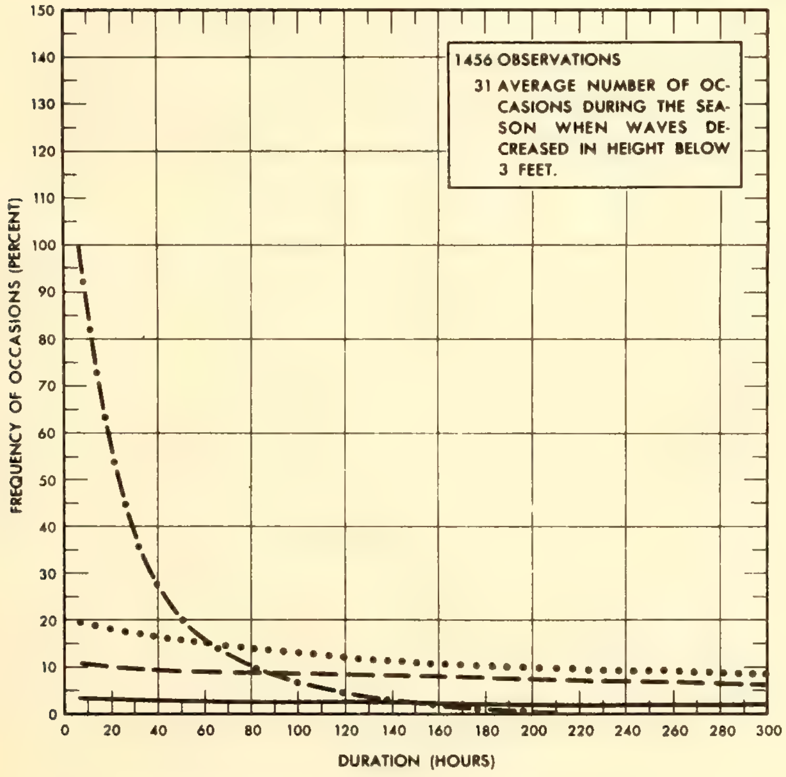


1472 OBSERVATIONS
35 AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES ROSE TO 3 FEET OR HIGHER.

PERSISTENCE OF UNFAVORABLE SEAS (≥3, 6, 9, 12 FT.)

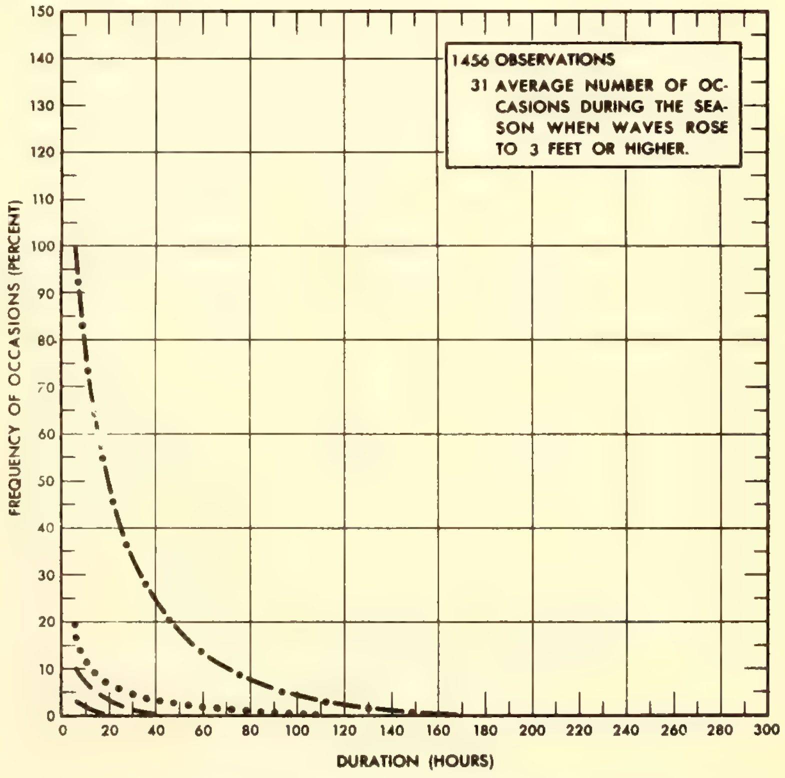


OCTOBER, NOVEMBER, DECEMBER



1456 OBSERVATIONS
31 AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES DECREASED IN HEIGHT BELOW 3 FEET.

PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)



1456 OBSERVATIONS
31 AVERAGE NUMBER OF OCCASIONS DURING THE SEASON WHEN WAVES ROSE TO 3 FEET OR HIGHER.

PERSISTENCE OF UNFAVORABLE SEAS (≥3, 6, 9, 12 FT.)

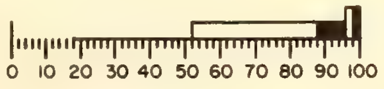
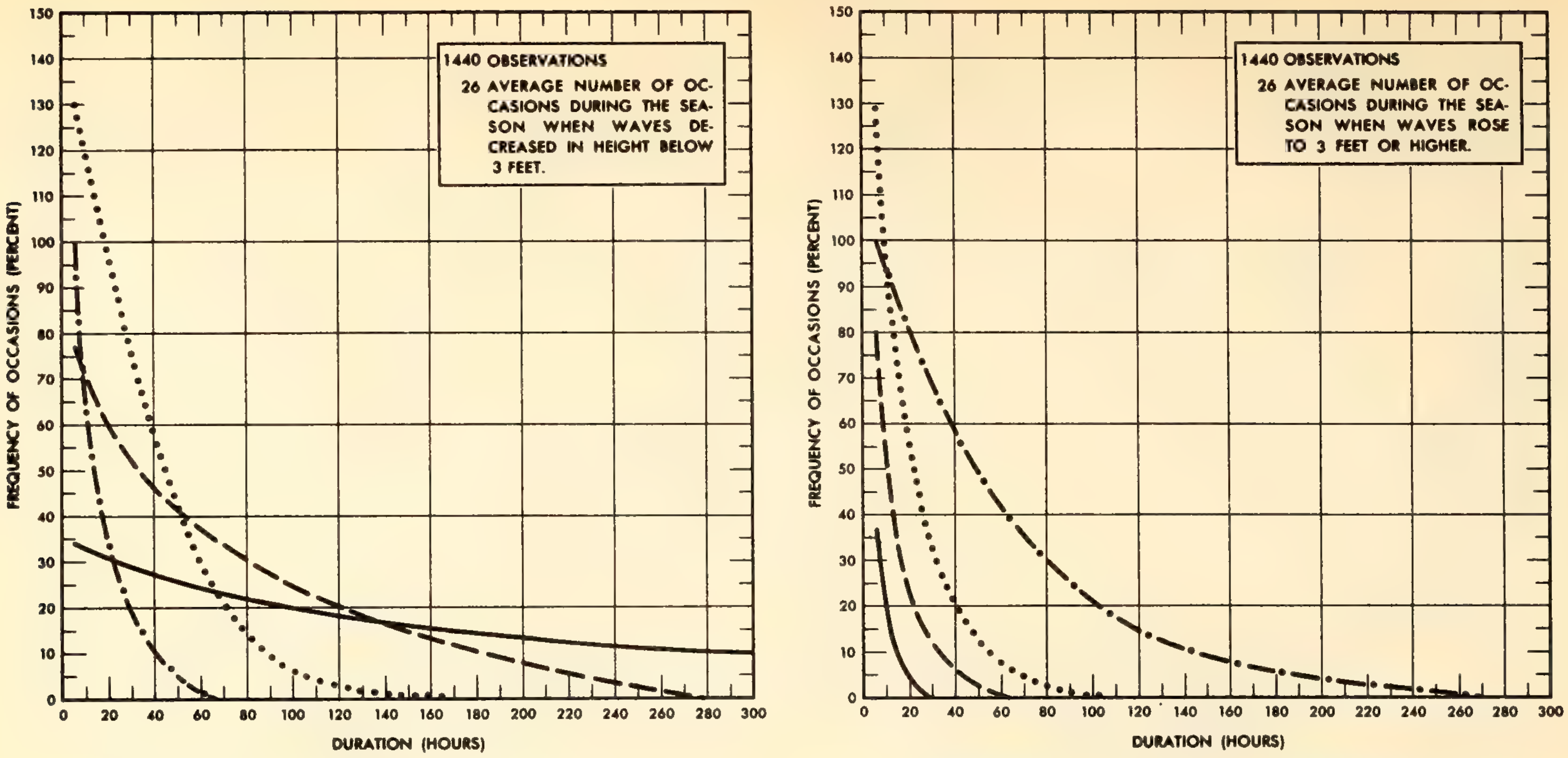
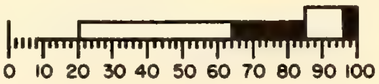


Figure II-33.--Continued.

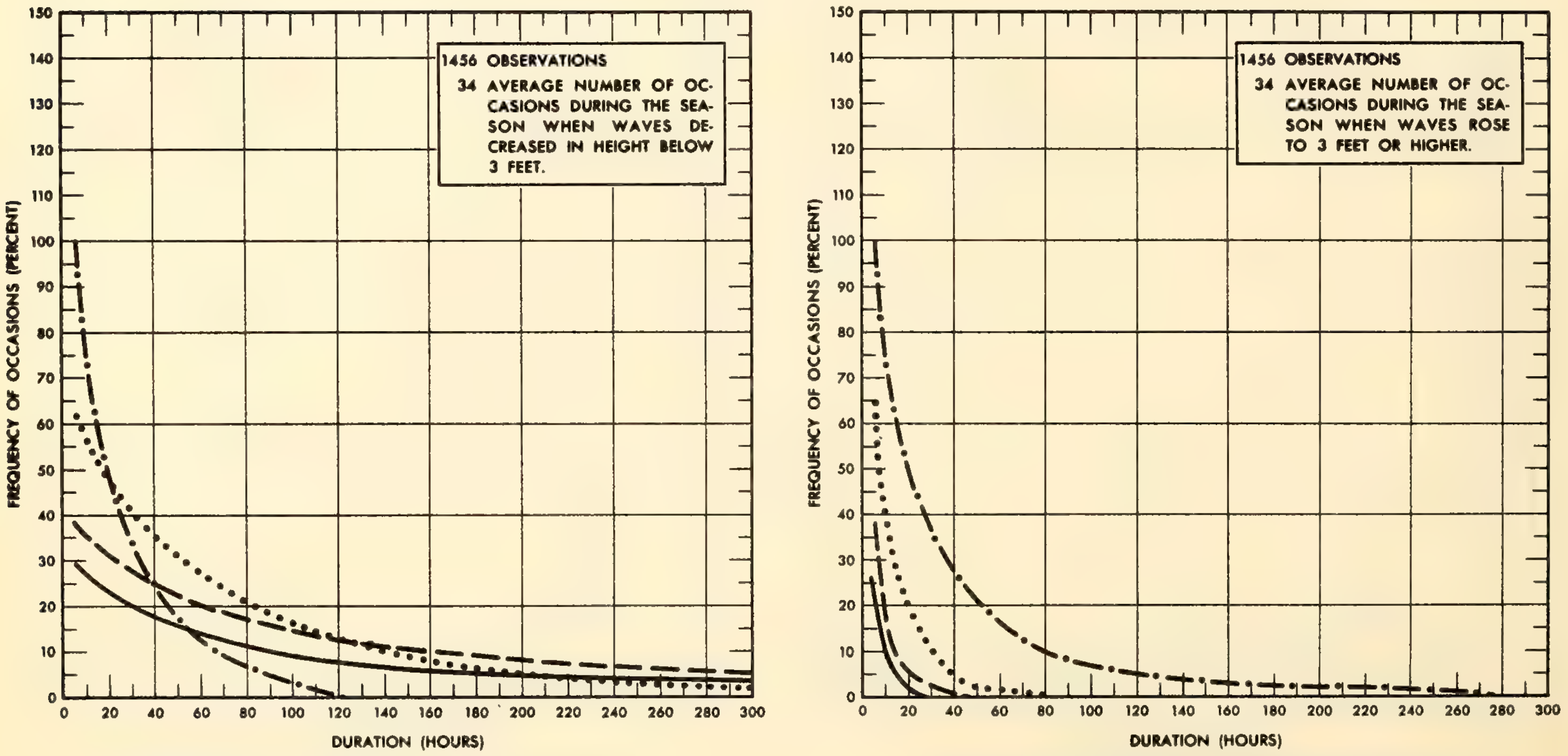
JANUARY, FEBRUARY, MARCH



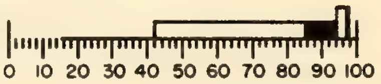
PERSISTENCE OF FAVORABLE WAVES (<3, 6, 9, 12 FT.) PERSISTENCE OF UNFAVORABLE WAVES (≧3, 6, 9, 12 FT.)



APRIL, MAY, JUNE



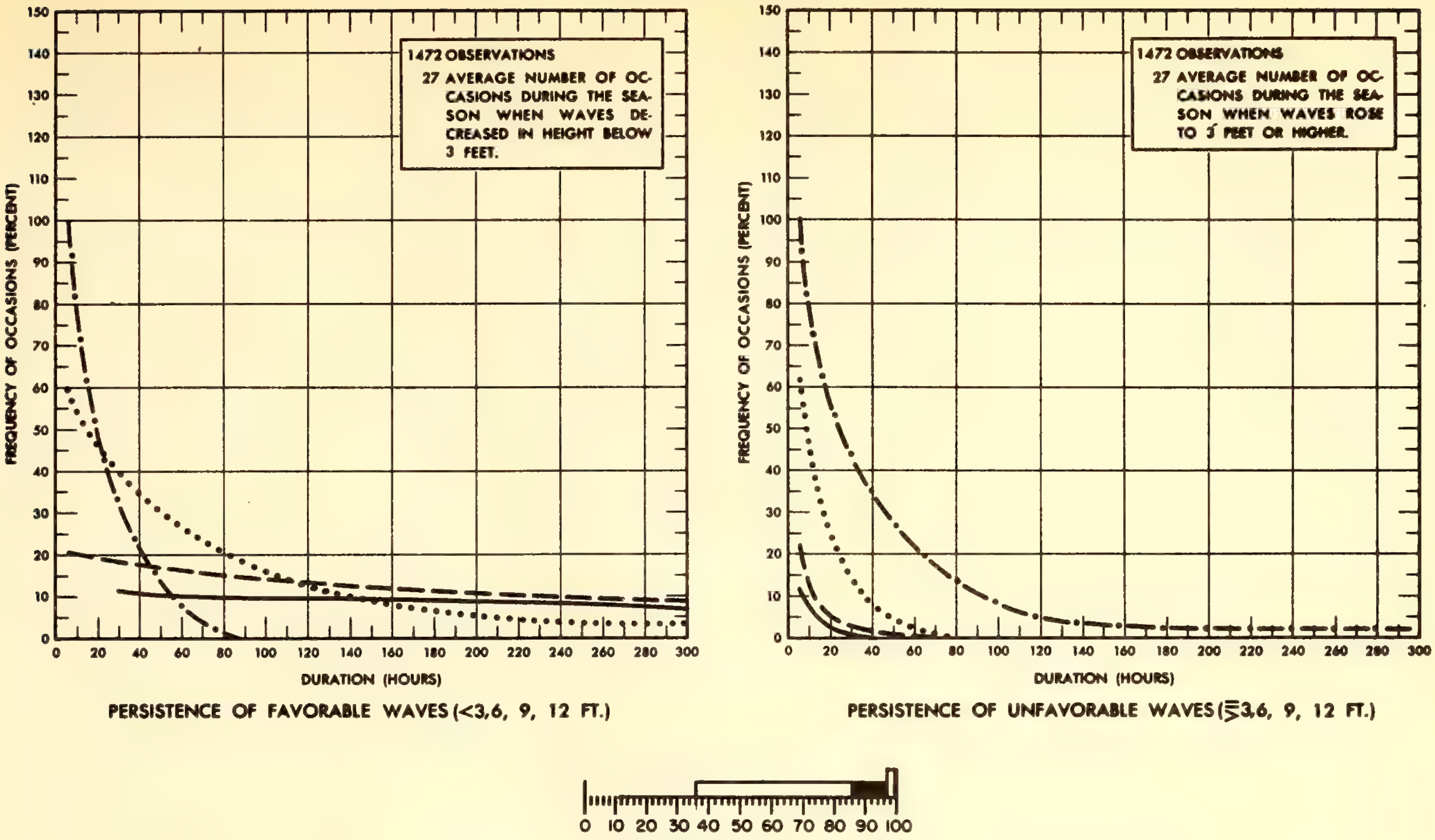
PERSISTENCE OF FAVORABLE WAVES (<3, 6, 9, 12 FT.) PERSISTENCE OF UNFAVORABLE WAVES (≧3, 6, 9, 12 FT.)



DIAMOND SHOALS, N. C. 35°05.3′N., 75°19.7′W.

Figure II-34.--Persistence of favorable seas (<3, 6, 9, 12 ft) and unfavorable seas (≧3, 6, 9, 12 ft) for east coast lightships: Diamond Shoals, North Carolina.

JULY, AUGUST, SEPTEMBER



OCTOBER, NOVEMBER, DECEMBER

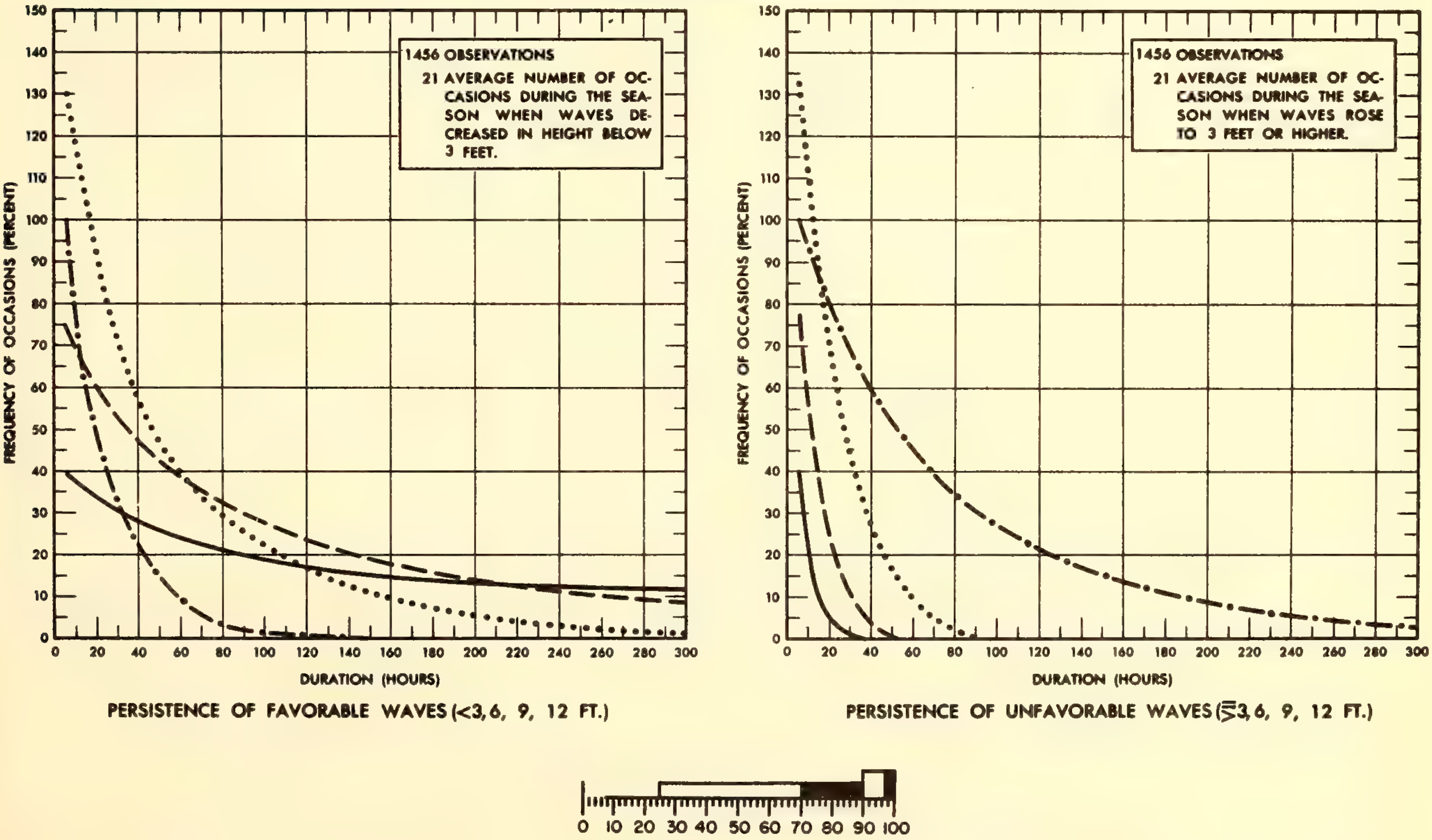
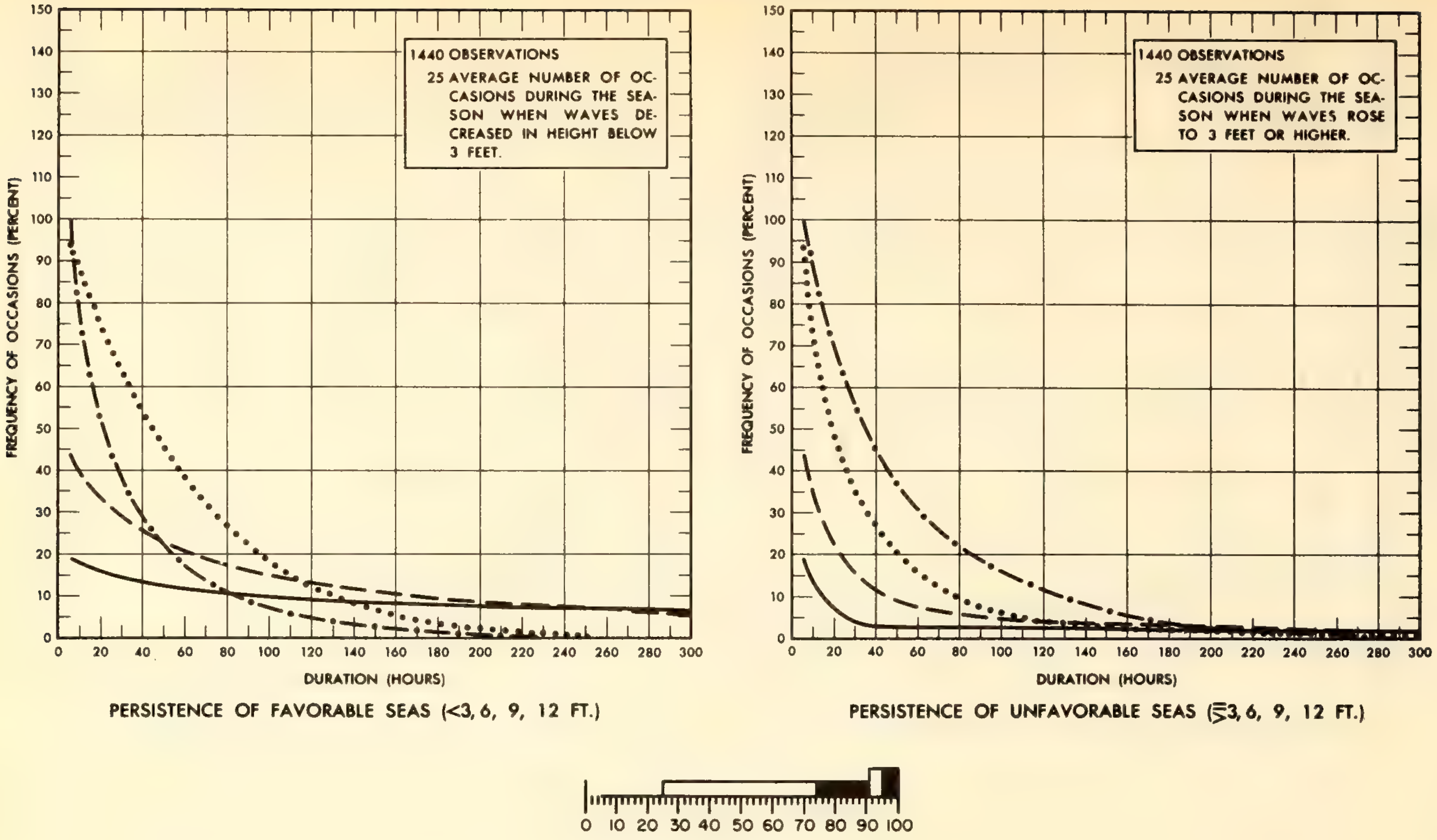


Figure II-34.--Continued.

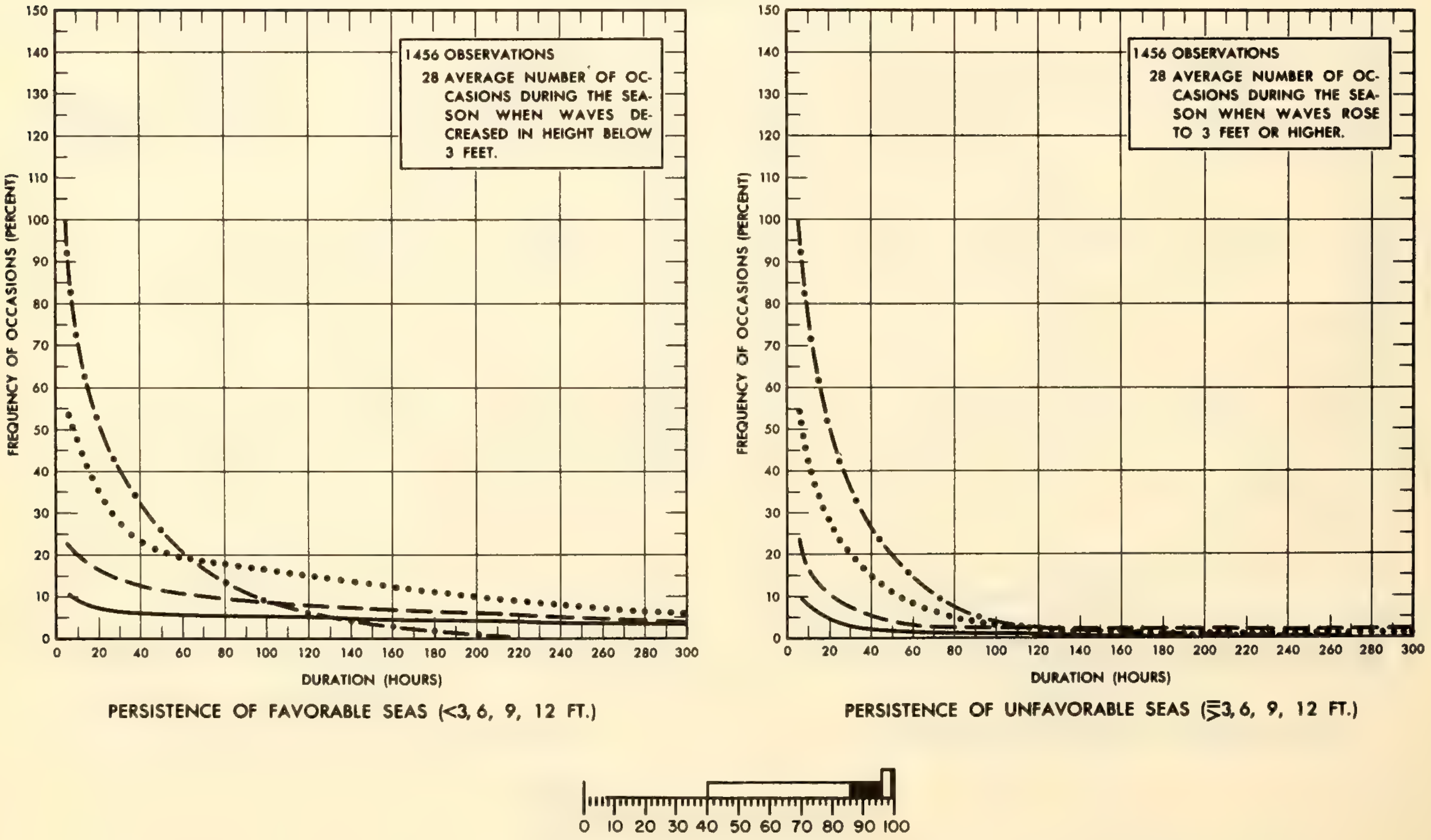
JANUARY, FEBRUARY, MARCH



PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE SEAS (⋝3, 6, 9, 12 FT.)

APRIL, MAY, JUNE



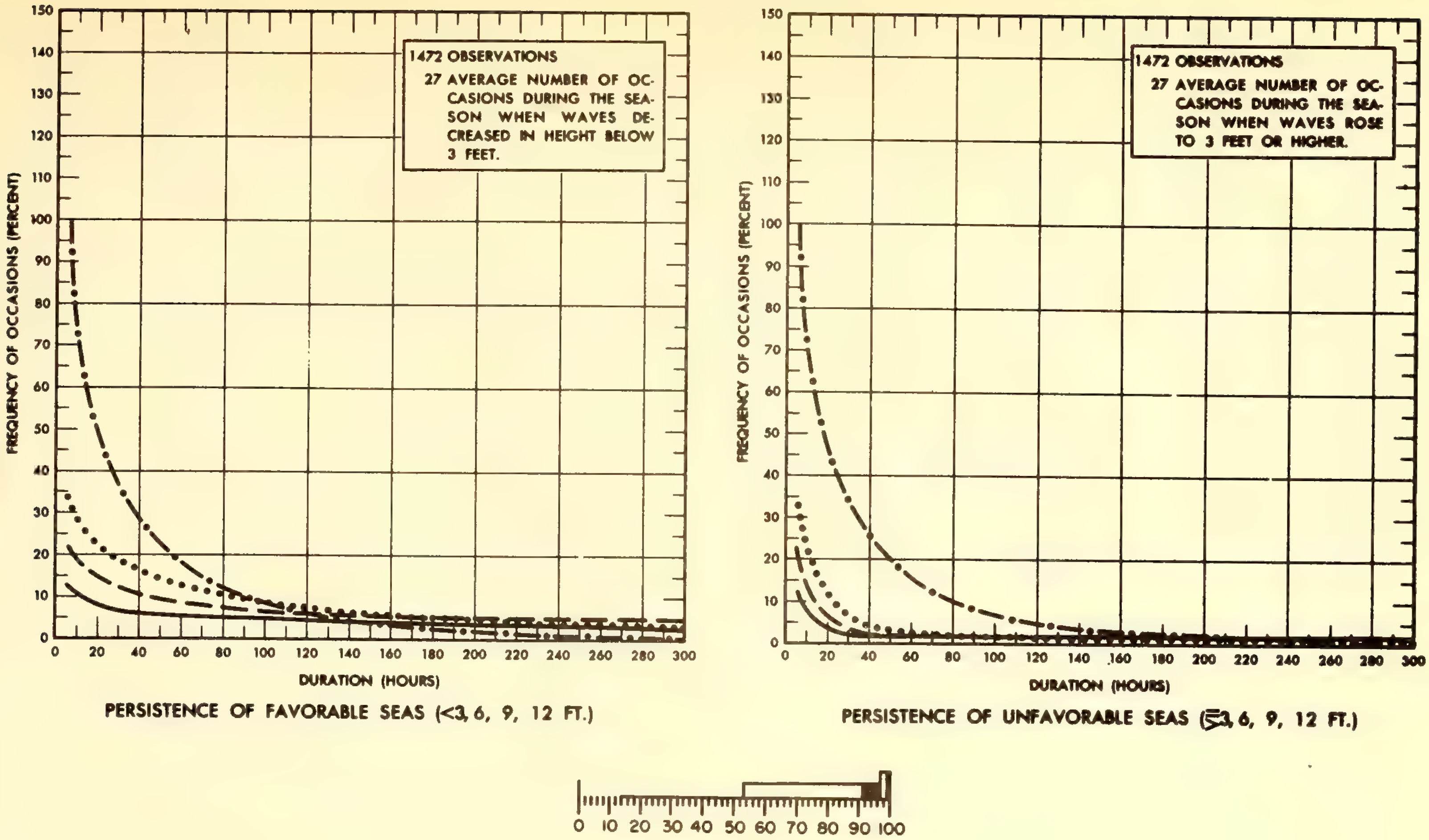
PERSISTENCE OF FAVORABLE SEAS (<3, 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE SEAS (⋝3, 6, 9, 12 FT.)

FRYING-PAN SHOAL 33°28.0′N., 77°33.8′W.

Figure II-35.--Persistence of favorable seas (< 3, 6, 9, 12 ft) and unfavorable seas (⋝3, 6, 9, 12 ft) for east coast lightships: Frying-Pan Shoal, North Carolina.

JULY, AUGUST, SEPTEMBER



OCTOBER, NOVEMBER, DECEMBER

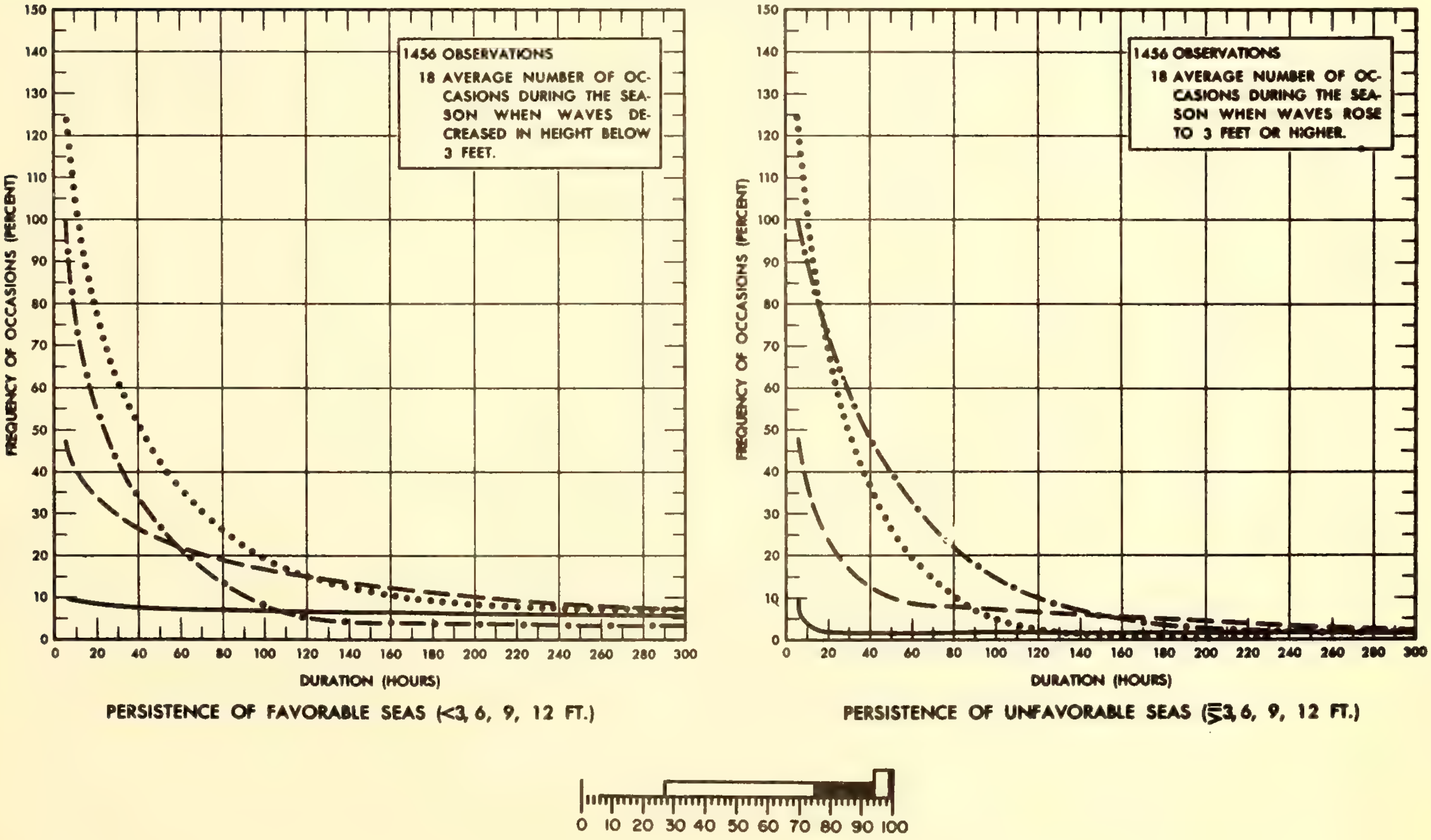
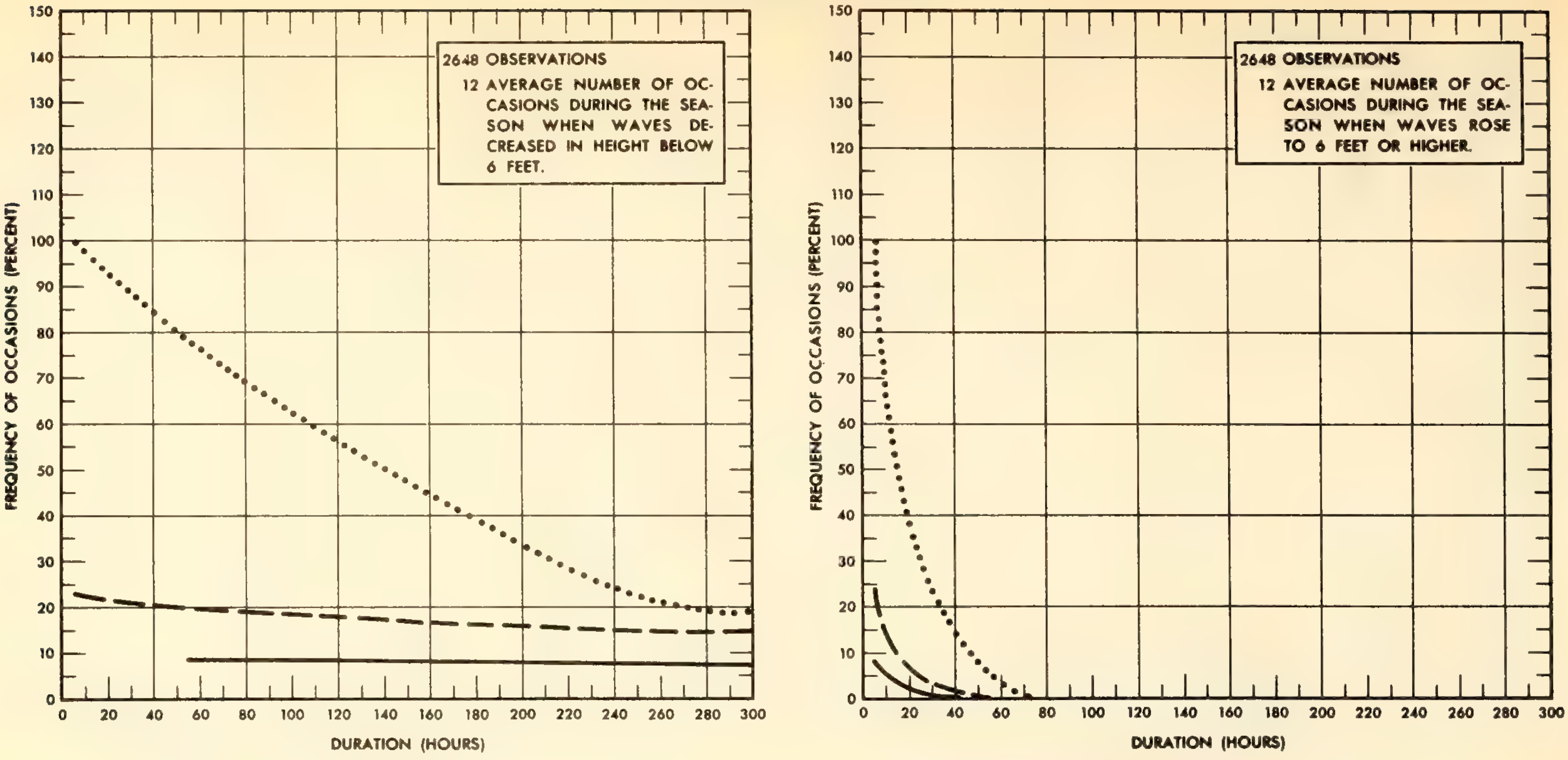


Figure II-35.--Continued.

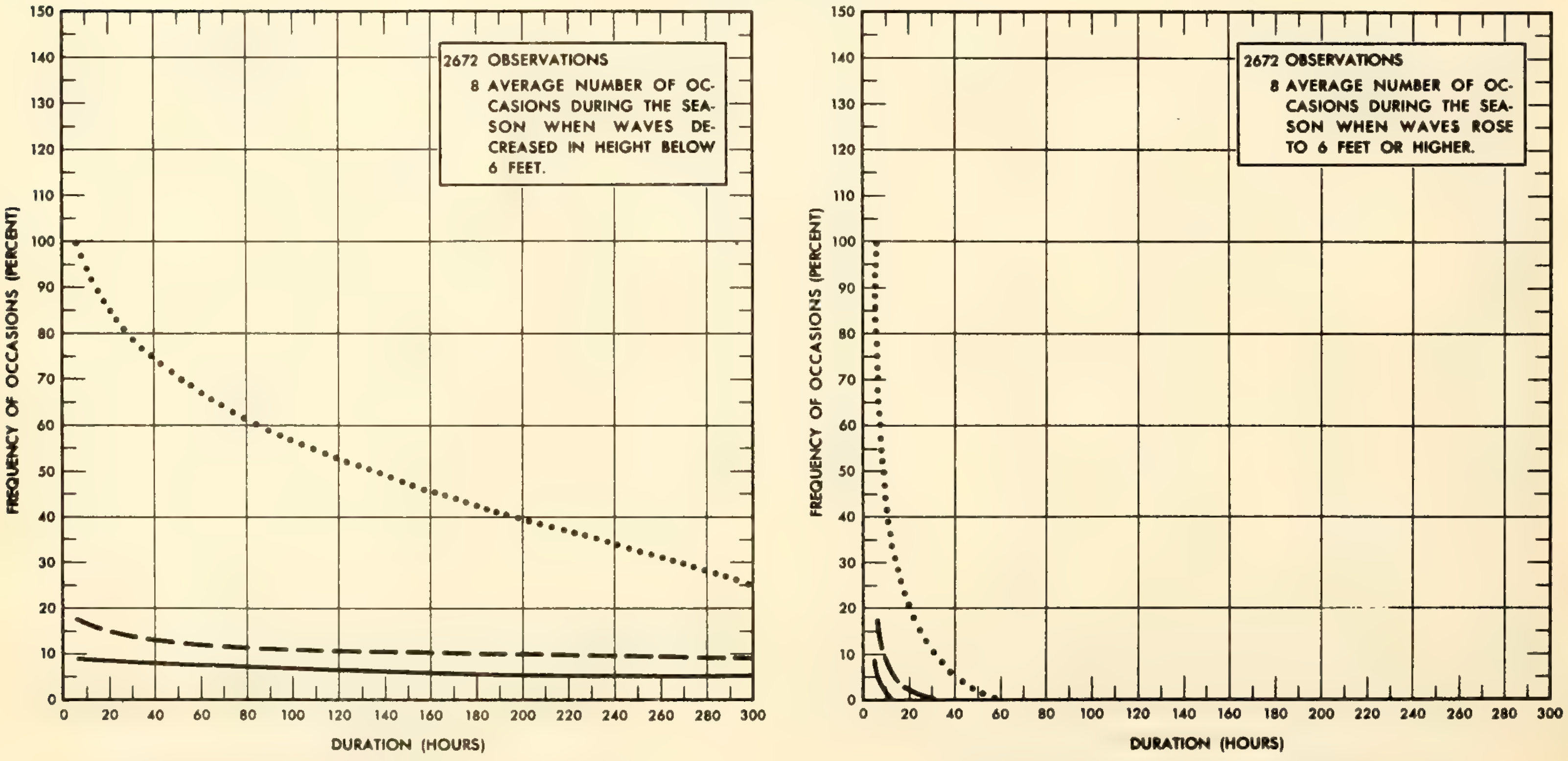
JANUARY, FEBRUARY, MARCH



PERSISTENCE OF FAVORABLE SEAS (< 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE SEAS (≧ 6, 9, 12 FT.)

APRIL, MAY, JUNE



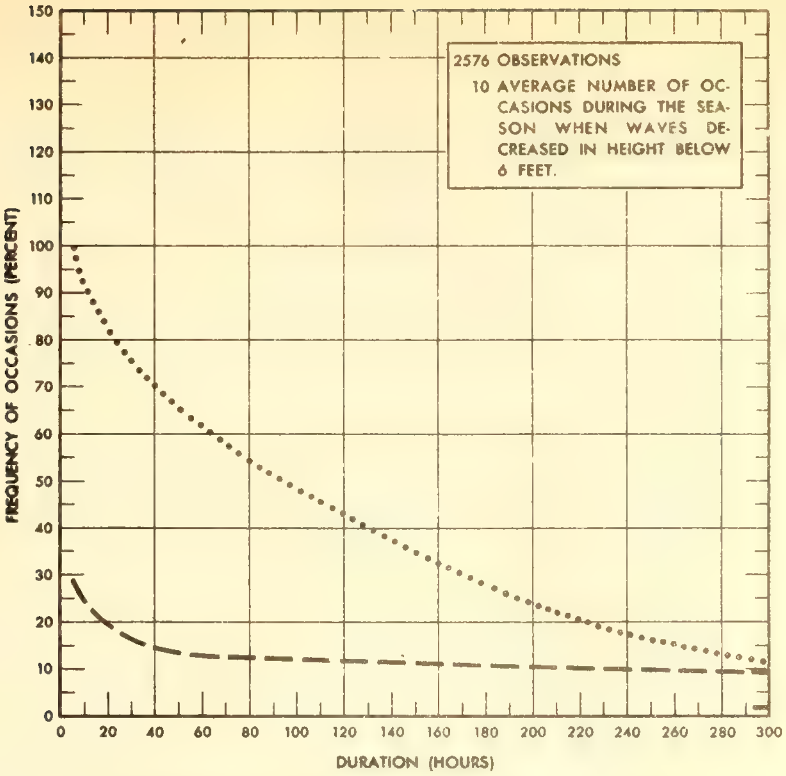
PERSISTENCE OF FAVORABLE SEAS (< 6, 9, 12 FT.)

PERSISTENCE OF UNFAVORABLE SEAS (≧ 6, 9, 12 FT.)

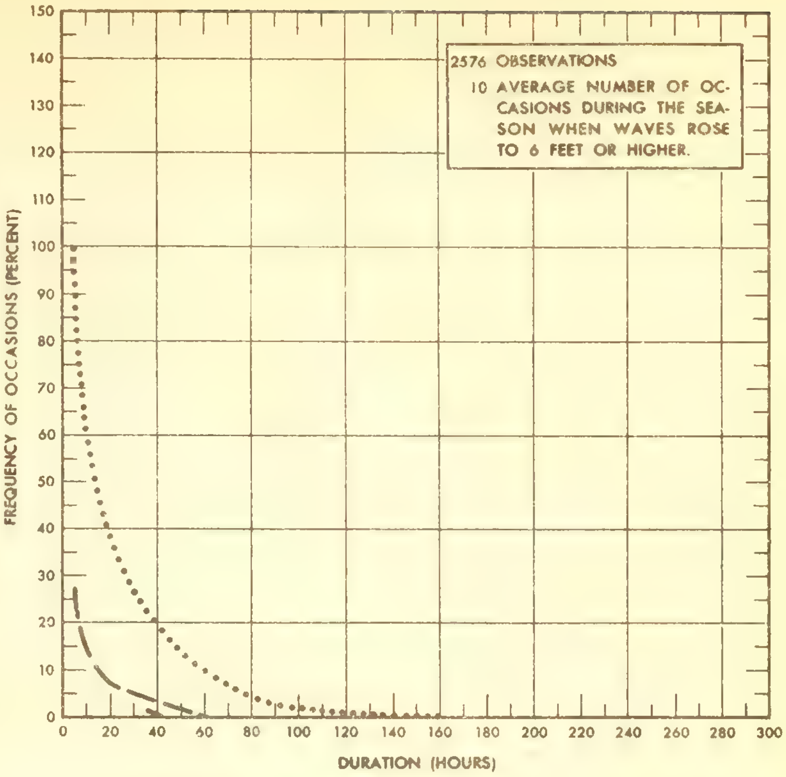
SAVANNAH, GEORGIA 31°56.6′N., 80°39.8′W.

Figure II-36.--Persistence of favorable seas (<3, 6, 9, 12 ft) and unfavorable seas (≧3, 6, 9, 12 ft) for east coast lightships: Savannah, Georgia.

JULY, AUGUST, SEPTEMBER

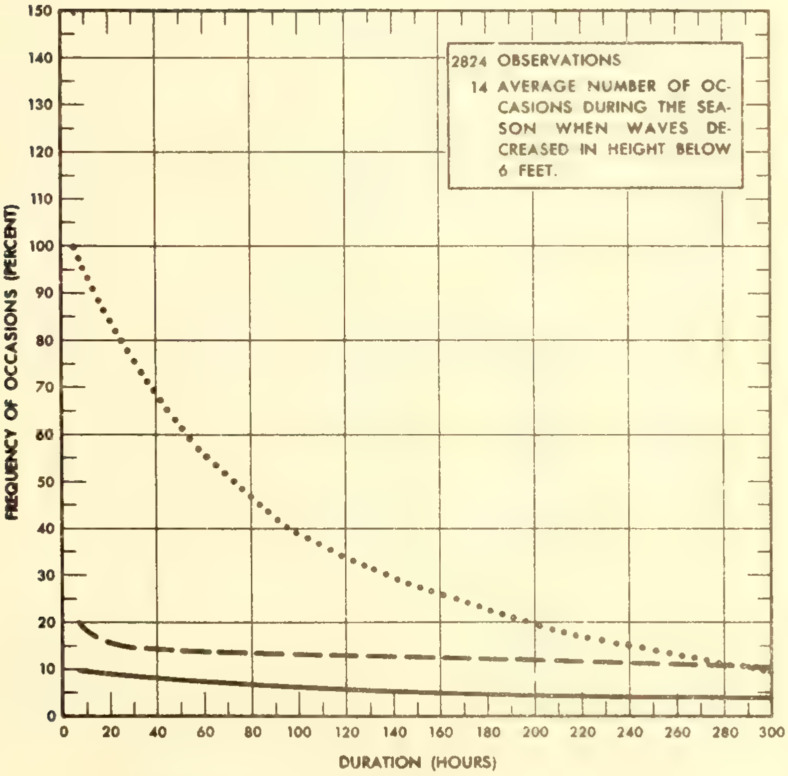


PERSISTENCE OF FAVORABLE SEAS (< 6, 9, 12 FT.)

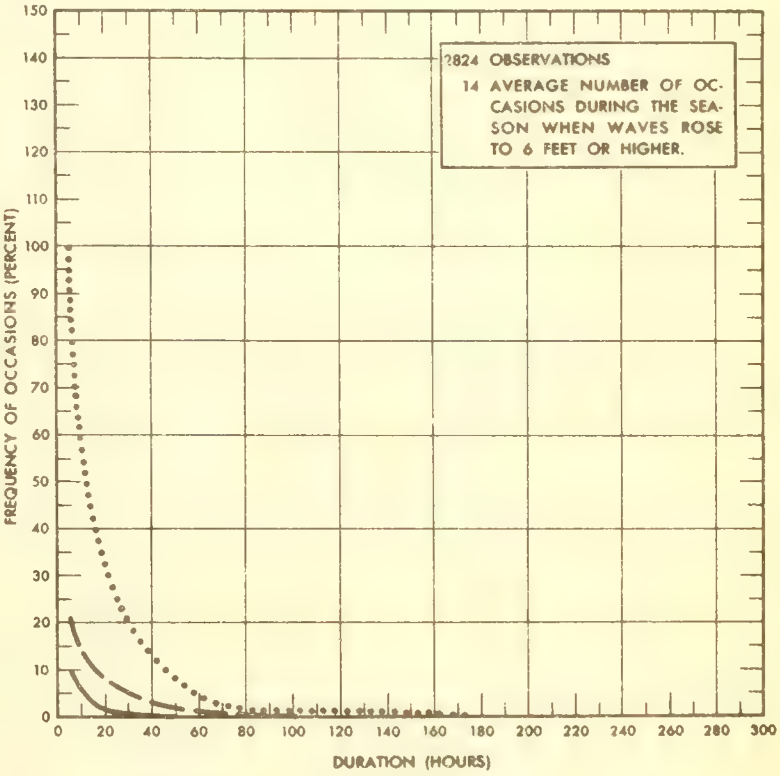


PERSISTENCE OF UNFAVORABLE SEAS (≧ 6, 9, 12 FT.)

OCTOBER, NOVEMBER, DECEMBER



PERSISTENCE OF FAVORABLE SEAS (< 6, 9, 12 FT.)



PERSISTENCE OF UNFAVORABLE SEAS (≧ 6, 9, 12 FT.)

Figure II-36.--Continued.

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U.S. Navy, *Marine Climatic Atlas of the World, Volume II – North Pacific Ocean* (NAVAER 50-1C-529), Commander, U.S. Naval Weather Service Command, Washington, D.C. 20360, 1956, 15 pp. plus 275 charts.

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III. Statistical Analysis of Extreme Atmospheric Conditions, by Regions

A. INTRODUCTION

The following tabulations are mathematical simulations of the extremes of meteorological parameters by geographical regions. The subregions analyzed below can provide a reasonable range of the extremes of air temperatures, sea temperature, pressure, wind, and waves that can be expected within each region.

Mathematical-statistical analyses are required over the specified ocean areas, rather than simple statistics of observed values, because of the areal and temporal gaps in observations and the data-biases previously noted. However, a background of observed data is still required so that the results are statistics of "real-world" conditions.

The analyses that follow are presented in terms of "return period," which is a statistical measure of the average time interval between the occurrence of a given quantity and that of an equal or more extreme quantity. It is assumed that if a device is designed to withstand the highest (lowest) value of a given parameter in a year, and that all other conditions remain unchanged, then it can also withstand all other values of the given parameter within that year.

B. DATA SOURCES

Serialized annual extreme values for each parameter are a necessary prerequisite for extreme value analysis. The following data sources were examined to obtain a 20-yr series of annual extremes of the surface air temperature, sea surface temperature, wind speed, and barometric pressure:

1. Synoptic weather charts of the Northern Hemisphere.
2. The marine data tape file (TDF-11) available at the National Climatic Center.
3. Mariners Weather Log.
4. Hurricane and tropical storm descriptive material.

The series was developed for the period 1950-69. Because of the lack of observed extreme wave height data it was decided that the annual extremes of wave height should be derived from the annual extremes of sustained wind. The derivation is based on a small study by Vaiksnoras and Crutcher (1969) that provides estimates of extreme wave heights during wave buildup with increasing winds and during wave decay with decreasing wind speeds. Wave heights derived in this manner can be assumed to be reasonable estimates of the extremes that could occur with unlimited wind fetch, wind duration, and water depth. An adaptation of a graph prepared by Crutcher and Vaiksnoras is shown in figure III-1. The heavy curve shown in this figure is based on observed data, and it is assumed the curve represents extreme waves rather than significant wave heights as indicated on the vertical scale. This assumption is suggested by Crutcher (1971) and is based on the fact that in rough sea, observers have a tendency to report the highest wave rather than the significant wave height.

Theoretically, the reported extreme wave heights would be possible. In spite of our assumptions, however, many of them are limited in the fetch and duration of the wind. For instance, the maximum possible fetch in the Gulf of Mexico is restricted by geography, and the maximum duration (and fetch) in hurricanes is limited by the size and movement of the storm. According to Pierson et al. (1960) the generation of waves by 56-kt winds is limited by fetch distance of 2100 n.mi., and duration of 88 hr.

According to Bretschneider and Collins (1964) the maximum significant wave height possible in any Atlantic hurricane is 62 ft (corresponding to 112-ft highest wave). Wilson (1957) obtained values of $H\ 1/3 = 56$ ft (corresponding to 101-ft highest wave) for a one-in-100-yr recurrence interval.

The annual parameter extremes were determined for the following areas:

Area	*Latitude band* (°N)	*Longitude band* (eN)
A	40–45	60–65
B	35–40	70–75
C	30–35	75–80
D	25–30	70–75
E	25–30	85–90
F	22.5–27.5	92.5–97.5
G	40–45	125–130
H	35–40	125–130
I	27.5–32.5*	120–125*

*Because of the paucity of air and sea temperature data for Area I, the annual extremes of these two parameters were obtained for the area 30 to 35°N and 115 to 120°W.

C. ANALYSIS

The extreme value distribution selected from analysis of annual extremes for each parameter was the Fisher-Tippett Type I. This distribution has been applied widely by Gumbel (1958) with excellent results, and the fitting procedures described by Lieblein (1954) provide a simple method for fitting the Type I distribution giving estimates of the quantiles with a minimum variance. Thom (1968, 1971) has applied the Fisher-Tippett Type II or Frechet distribution to analysis of extreme wind and wave series. The Type I distribution, rather than Thom's method, was selected because of its simplicity and because the zero lower bound of the Type I distribution should not create a problem with the data to be analyzed.

It was necessary to adjust the resultant data in some cases where the extreme value distribution provided a poor fit. This occurred in Area B where the sea temperature data are from a mixed distribution (sampling from the cold Labrador Current and from the warm Gulf Stream).

In Areas A and B the distribution of sea-surface temperatures was truncated at 27°F because this statistical approach does not consider that the distribution is physically bounded owing to the water freezing.

The tables that follow provide extreme values for each of the nine areas in terms of the 2-, 5-, 10-, 25-, and 50-yr return periods.

D. REFERENCES ON EXTREME ENVIRONMENTAL CONDITIONS

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Vaiksnoras, J. V. and Crutcher, H. L., "Extreme Wave Height Curves," *Unpublished Compilations,* 1969.

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E. DATA

1. Forecast vs. Visually Observed Wave Heights According to Vaiksnoras and Crutcher, for the Period 1958-1969.

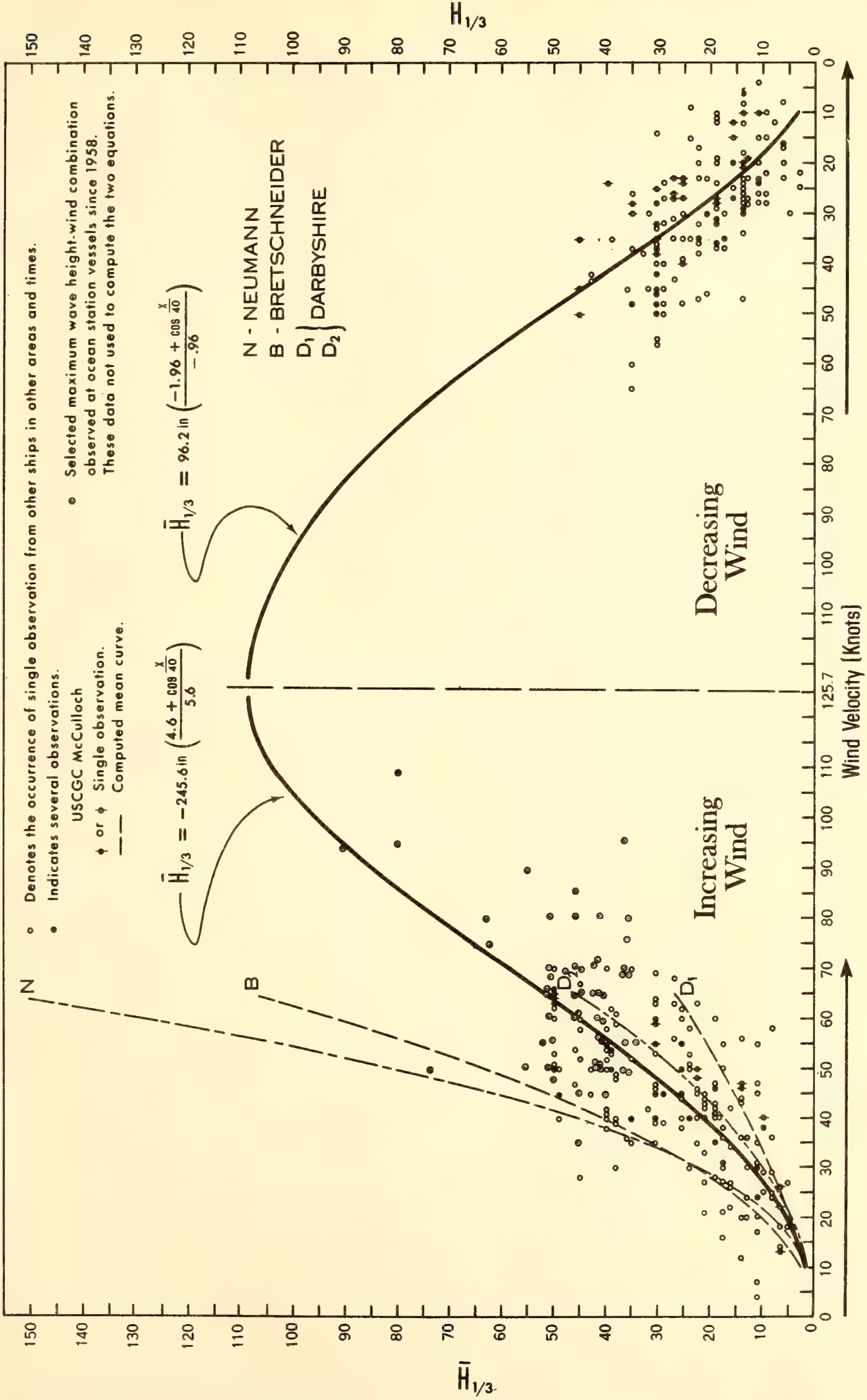


Figure III-1.--Forecast versus visually observed wave heights. Analysis was performed by Vaiksnoras and Crutcher (1969) using data gathered by Ocean Weather Station vessels in the North Atlantic, 1958-69.

2. Probable Return Periods of Extreme Values

Table III-1.--Probable return periods of extreme values

a. Maximum surface air temperature (°F)

			Return period (yr)				
Area	Lat. (°N)	Long. (°W)	2	5	10	25	50
A	40-45	60-65	82	84	86	88	90
B	35-40	70-75	89	90	91	93	95
C	30-35	75-80	92	93	94	96	96
D	25-30	70-75	93	94	95	96	97
E	25-30	85-90	92	94	96	97	98
F	22.5-27.5	92.5-97.5	92	94	96	97	98
G	40-45	125-130	76	80	82	85	87
H	35-40	125-130	80	83	85	87	89
I	30-35	115-120	84	86	88	90	91

b. Minimum surface air temperature (°F)

			Return period (yr)				
Area	Lat. (°N)	Long. (°W)	2	5	10	25	50
A	40-45	60-65	14	10	7	5	2
B	35-40	70-75	19	17	14	12	10
C	30-35	75-80	32	30	29	27	26
D	25-30	70-75	48	46	44	41	40
E	25-30	85-90	29	22	18	12	8
F	22.5-27.5	92.5-97.5	32	25	21	15	11
G	45-50	125-130	29	26	23	19	17
H	35-40	125-130	46	44	43	42	40
I	30-35	115-120	45	41	38	35	32

Table III-1.--Continued

c. Maximum sea surface temperature (°F)

			Return period (yr)				
Area	Lat. (°N)	Long. (°W)	2	5	10	25	50
A	40-45	60-65	81	83	84	86	88
B	35-40	70-75	88	90	91	92	94
C	30-35	75-80	89	90	92	93	95
D	25-30	70-75	88	90	91	93	95
E	25-30	85-90	90	91	92	93	95
F	22.5-27.5	92.5-97.5	90	91	92	94	96
G	45-50	125-130	66	67	68	70	72
H	35-40	125-130	70	72	73	75	77
I	30-35	115-120	78	80	83	86	88

d. Minimum sea surface temperature (°F)

			Return period (yr)				
Area	Lat. (°N)	Long. (°W)	2	5	10	25	50
A	40-45	60-65	30	29	29	27	27
B	35-40	70-75	33	31	29	27	27
C	30-35	75-80	54	52	50	49	47
D	25-30	70-75	64	63	62	61	59
E	25-30	85-90	55	52	50	47	45
F	22.5-27.5	92.5-97.5	65	62	60	57	55
G	45-50	125-130	43	41	39	37	36
H	35-40	125-130	46	45	44	42	41
I	30-35	115-120	50	48	48	47	46

Table III-1.--Continued

e. Maximum sea level atmospheric pressure (mb)

			Return Period (yr)				
Area	Lat. (°N)	Long. (°W)	2	5	10	25	50
A	40-45	60-65	1039	1043	1045	1048	1050
B	35-40	70-75	1039	1043	1045	1047	1049
C	30-35	75-80	1037	1040	1041	1043	1045
D	25-30	70-75	1031	1034	1035	1037	1039
E	25-30	85-90	1034	1037	1039	1042	1044
F	22.5-27.5	92.5-97.5	1036	1040	1043	1047	1049
G	45-50	125-130	1038	1041	1044	1047	1049
H	35-40	125-130	1035	1038	1040	1043	1045
I	27.5-32.5	120-125	1029	1032	1034	1036	1038

f. Minimum sea level atmospheric pressure (mb)

Area	Lat. (°N)	Long. (°W)	2	5	10	25	50
A	40-45	60-65	967	960	956	948	944
B	35-40	70-75	970	962	956	948	944
C	30-35	75-80	977	964	956	946	938
D	25-30	70-75	979	962	950	936	924
E	25-30	85-90	984	962	947	928	915
F	22.5-27.5	92.5-97.5	986	966	953	937	924
G	45-50	125-130	976	972	968	964	962
H	35-40	125-130	990	982	976	968	962
I	27.5-32.5	120-125	1004	1000	997	994	992

Table III-1.--Continued

g. Peak surface wind speed (kt)

			Return period (yr)				
Area	Lat. (°N)	Long. (°W)	2	5	10	25	50
A	40-45	60-65	92	108	120	134	144
B	35-40	70-75	95	112	123	137	146
C	30-35	75-80	91	112	128	146	160
D	25-30	70-75	94	120	139	162	179
E	25-30	85-90	82	116	140	170	192
F	22.5-27.5	92.5-97.5	79	112	134	162	183
G	45-50	125-130	71	83	89	98	104
H	35-40	125-130	61	70	75	82	88
I	27.5-32.5	120-125	49	56	60	66	70

h. Maximum sustained surface wind speed (kt)

			Return period (yr)				
Area	Lat. (°N)	Long. (°W)	2	5	10	25	50
A	40-45	60-65	64	75	82	92	98
B	35-40	70-75	66	78	86	96	104
C	30-35	75-80	64	79	90	102	112
D	25-30	70-75	66	85	97	114	125
E	25-30	85-90	57	82	98	118	134
F	22.5-27.5	92.5-97.5	55	79	95	114	130
G	45-50	125-130	51	58	63	69	73
H	35-40	125-130	42	48	52	58	62
I	27.5-32.5	120-125	34	39	42	46	48

Table III-1.--Concluded

i. Extreme wave height (ft)*

			Return period (yr)				
Area	Lat. (°N)	Long. (°W)	2	5	10	25	50
A	40-45	60-65	51	65	74	86	96
B	35-40	70-75	54	70	80	93	104
C	30-35	75-80	52	71	84	100	112
D	25-30	70-75	55	78	94	114	129
E	25-30	85-90	43	72	92	116	136
F	22.5-27.5	92.5-97.5	40	68	86	110	128
G	45-50	125-130	34	44	50	56	62
H	35-40	125-130	25	32	36	42	46
I	27.5-32.5	120-125	15	20	23	27	30

* Based on waves generated from maximum sustained winds under the assumption of unlimited duration and fetch.

Explanation for Table III-1 is in the text above (III.-Statistical Analysis of Extreme Atmospheric Conditions, by Region). The basic input data are from TDF-11 and are applied to approved statistical processes as discussed in the text.

IV. Analysis of Tropical Storms and Hurricanes

A. SOURCES

National Weather Records Center deck 993 (now NCC deck 993) was used to prepare three data analysis sections which follow, F.1 "Origin and occurrence", F.2 "Maximum winds", and F.3 "Speed of storm motion, by direction". Deck 993 is a record of Atlantic tropical cyclone positions and maximum winds. Only data from the period 1899-1969 were used.

Data analysis section F.4, "Duration of gale force winds by storm size", was produced from the hurricane forecast coordination sheets available from the National Hurricane Center for the years 1958-68. Radius of gale-force winds is generally given in directions the hurricane forecaster considers pertinent; it is emphasized that these are only estimates.

B. ANALYSIS

Criteria for tropical storm and hurricane occurrence were solely that in a tropical cyclone the maximum winds not be less than 34 or 65 kt, respectively.

Criteria for tropical storm and hurricane origin were as follows:

(a) Cyclone not classified as extratropical or dissipating.

(b) Cyclone not over continental United States.

(c) For tropical origin, the maximum wind on the given observation had to be equal to or exceed 34 kt and on the preceding observation had to be less than 34 kt.

(d) For hurricane origin, the maximum wind on the given observation had to be equal to or exceed 65 kt and on the preceding observation had to be less than 65 kt.

According to criteria (c) and (d), a given tropical cyclone may generate more than one hurricane origin or more than one tropical storm origin. An alternate procedure (not used here) would be to allow only one such origin in the life history of a given tropical cyclone.

No assumptions were made about the distributions of data in data sections F.1, F.2, and F.3 except for the charts "Max expected winds from tropical cyclones," in which rectangular distribution within 10-kt class intervals is assumed. Actual distributions are presented. Cyclone centers are assumed to move linearly between 12-hour positions. Tropical cyclone tracks are assumed to have a width of two-thirds of a degree of latitude.

In producing data section F.4 "Duration of gale force winds by storm size", it was found impossible to compute storm diameter along the direction of motion in all cases; maximum storm diameter was used instead. Thus these durations are worst-case overestimations.

C. DESCRIPTION OF DATA

All the tropical cyclone data presentations which follow (section F.) are broken into three time periods, viz., August-September (most active tropical cyclone season), October-July (least active season), and the entire year (annual summaries). Data analysis sections F.1-F.3 are further broken down geographically to 2 1/2° square subregions and are presentations of data in the years 1899-1969, either as parametric data summaries or normalized to number of occasions in 100 years for percentiles. Data analysis section F.4 is presented by 5° squares and is based on the hurricane forecaster coordination sheets available from the National Hurricane Center for the years 1958-68. All data are presented in computer-produced tables and charts.

1. Origin and Occurrence

The origin and occurrence of tropical storms and hurricanes are presented in Table IV-1 and figures IV-1 to IV-12. The data presented are the actual number of storms in NCC deck 993 converted to percent, that is, the number expected in a 100-yr period.

2. Maximum Winds

Maximum wind data from tropical cyclones are presented in two ways. First, the annual probabilities of obtaining winds in various speed ranges are given. These values are expressed in percent occurrence. Second, the maximum to be expected in various time periods are given. These values are expressed in units of wind speed (kt).

a. Percentage Frequency

Table IV-2 and figures IV-13 to IV-24 show the number of days (normalized to 100 yr of data), expressed in percent, in which winds from tropical cyclones reached tropical storm intensity (34 to 64 kt), hurricane intensity (65 to 99 kt), and severe hurricane intensity (100 kt of greater).

b. Recurrence Interval

Table IV-3 and figures IV-25 to IV-36 show the maximum winds which may be expected to recur every 2, 5, 10, and 20 years by 2 1/2° square subregions by season.

3. Speed of Storm Motion, by Direction

Table IV-4 and figures IV-37 to IV-39 present the probability of tropical storm center movements (percent of centers entering 2 1/2° square subregions) by three speed categories (less than 8 kt, 8 to 15 kt, and greater than 15 kt) and by season. Less than 8 kt characterizes storms that are blocked, drifting, or shifting and whose speeds and directions are generally indeterminant. A speed of 8-15 kt is characteristic of those tropical cyclones still embedded in the westward flowing trade winds, before recurvature, and storms moving faster than 15 kt are characteristic of those that have already recurved and are caught up in the prevailing westerlies.

Table IV-4 shows percent of centers entering subregions, by direction and season. Figures IV-37 to IV-39 are center movement roses whose arm lengths are proportional to percent of storms occurring in subregions; the number in the lower right of each square is the percent of days with centers entering the square.

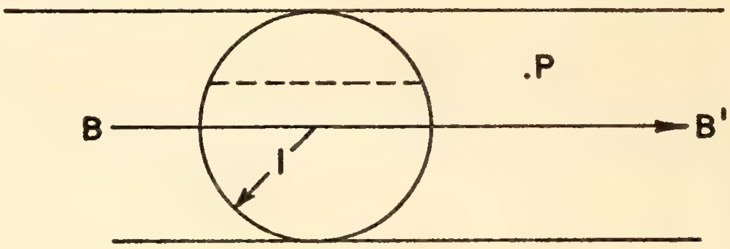
4. Duration (hr) of Gale-Force Winds by Storm Size.

Following is a listing of expected maximum possible durations of gale-force winds by 5° squares.

Two assumptions are made: first, that the area of gale-force winds has circular symmetry, secondly, that the observer stands so to obtain the longest possible duration of gale-force winds from each storm.

It does not seem possible to improve on the first assumption, since in filling out the coordination sheets the hurricane forecasters are mainly concerned with the direction of maximum extent of gales and do not give the extent in the intermediate directions.

However, we could apply the following correction for the second assumption:



Consider a circular area of unit radius moving along a path BB'. An observer standing in the swept area would intercept a portion of the circle ranging in length from 0 to 2 units. By converting the area of the circle to a rectangle of width 2, we see that on the average the observer will intercept a length of $\frac{\Pi}{2} = 1.5708$ units. However, if he stood on path BB' he would intercept the maximum length of 2 units. The latter assumption is used in calculating the enclosed tabulations. However, the average observer would experience times reduced by the ratio $\frac{\Pi}{2}:2$ or 0.7854. Thus if we multiply all times by 0.7854 we might have a more realistic estimate.

The mean, standard deviation, and hours of duration of gale-force winds are given for larger and smaller storms. A *large* storm has radius of gale-force winds grater than 250 n.mi., while a *small* storm has radius of gale-force winds less than 250 n.mi.

D. ACKNOWLEDGMENT

Gratitude is extended to the National Weather Records Center – U. S. Naval Weather Service Environmental Detachment for providing historical tracks.

E. REFERENCES

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Hope, John R. and Neumann, Charles J., "Digitized Atlantic Tropical Cyclone Tracks." *Technical Memorandum NWS SR-55,* National Oceanic and Atmospheric Administration, U.S. Department of Commerce, 1971, 141 pp.

The standard source for data on tropical cyclone tracks is:

Cry, George W., "Tropical Cyclones of the North Atlantic Ocean." *Technical Paper No. 55,* U.S. Weather Bureau, Washington, D. C., 148 pp.

Also see:

Crutcher, Harold L., "Atlantic Tropical Cyclone Strike Probabilities (For Selected Stations and the Month of September)." National Aeronautics and Space Administration *Contractor Report NASA CR-61361,* National Oceanic and Atmospheric Administration, Environmental Data Service, National Climatic Center, Asheville, North Carolina 28801, 1971, 13 pp. plus appendixes 86 pp.

Crutcher, Harold L. and Quinlan, Frank T., *Atlantic Tropical Cyclone Vector Mean Charts.* U.S. Naval Weather Service Command, Washington, D.C. 20360, 7 pp. text plus 35 charts.

F. DATA

1. Origin and Occurrence

Table IV-1.--Origin and occurrence of tropical cyclones and hurricanes, annual mean percent

ORIGIN AND OCCURRENCE OF TROPICAL STORMS AND HURRICANES, ANNUAL MEAN (PERCENT) 97.5 W TO 82.5 W PAGE 1 OF 3

LONGITUDE →	97.5 W TO 95.0 W				95.0 W TO 92.5 W				92.5 W TO 90.0 W				90.0 W TO 87.5 W				87.5 W TO 85.0 W				85.0 W TO 82.5 W			
	TR.STMS		HURRCNS		TR.STMS		HURRCNS		TR.STMS		HURRCNS		TR.STMS		HURRCNS		TR.STMS		HURRCNS		TR.STMS		HURRCNS	
LATITUDE ↓	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC
45.0N TO 47.5N																								
AUG AND SEP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
OCT TO JUL..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
42.5N TO 45.0N																								
AUG AND SEP..	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	3	0	0	0	1	0	0
OCT TO JUL..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL..	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	3	0	0	0	1	0	0
40.0N TO 42.5N																								
AUG AND SEP..	0	0	0	0	0	1	0	0	0	1	0	0	0	3	0	0	0	3	0	0	0	1	0	0
OCT TO JUL..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL..	0	0	0	0	0	1	0	0	0	1	0	0	0	3	0	0	0	3	0	0	0	1	0	0
37.5N TO 40.0N																								
AUG AND SEP..	0	1	0	0	0	1	0	0	0	4	0	0	0	3	0	0	0	3	0	0	0	1	0	0
OCT TO JUL..	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	6	0	0	0	4	0	0
TOTAL..	0	1	0	0	0	3	0	0	0	6	0	0	0	4	0	0	0	8	0	0	0	6	0	0
35.0N TO 37.5N																								
AUG AND SEP..	0	4	0	0	0	3	0	0	0	6	0	0	0	6	0	0	0	3	0	0	0	3	0	0
OCT TO JUL..	0	1	0	0	0	3	0	0	0	3	0	0	0	7	0	0	0	6	0	0	0	6	0	0
TOTAL..	0	6	0	0	0	6	0	0	0	8	0	0	0	13	0	0	0	8	0	0	0	8	0	0
32.5N TO 35.0N																								
AUG AND SEP..	0	6	0	0	0	6	0	0	0	10	0	0	0	13	0	0	0	7	0	0	0	18	0	0
OCT TO JUL..	0	3	0	0	0	4	0	1	0	4	0	1	0	7	0	1	0	6	0	0	0	6	0	0
TOTAL..	0	8	0	0	0	10	0	1	0	14	0	1	0	20	0	1	0	13	0	0	0	24	0	0
30.0N TO 32.5N																								
AUG AND SEP..	0	14	0	0	0	15	0	3	0	17	0	6	0	15	0	14	0	13	0	14	0	25	0	6
OCT TO JUL..	0	6	0	3	0	4	0	3	0	10	0	1	0	14	0	3	0	17	0	3	0	15	0	4
TOTAL..	0	20	0	3	0	20	0	6	0	27	0	7	0	30	0	17	0	30	0	17	0	41	0	10
27.5N TO 30.0N																								
AUG AND SEP..	1	10	1	10	0	18	1	15	3	28	6	15	1	27	0	25	0	15	4	24	0	24	3	15
OCT TO JUL..	0	18	3	6	1	14	0	6	1	23	1	8	3	24	0	4	1	25	1	4	0	24	1	7
TOTAL..	1	28	4	15	1	32	1	21	4	51	7	24	4	51	0	30	1	41	6	28	0	48	4	23
25.0N TO 27.5N																								
AUG AND SEP..	1	13	1	17	0	23	1	18	1	32	3	18	1	31	3	21	0	18	3	20	0	23	1	14
OCT TO JUL..	0	15	1	11	1	20	1	8	1	31	3	11	0	25	0	7	1	35	0	7	1	27	0	14
TOTAL..	1	28	3	28	1	42	3	27	3	63	6	30	1	56	3	28	1	54	3	27	1	49	1	28
22.5N TO 25.0N																								
AUG AND SEP..	0	21	1	11	0	24	1	11	0	27	1	15	3	28	6	14	0	27	0	15	1	21	1	13
OCT TO JUL..	3	17	3	8	0	18	4	10	1	25	1	8	1	23	1	8	3	35	0	10	0	31	3	23
TOTAL..	3	38	4	20	0	42	6	21	1	52	3	24	4	51	7	23	3	62	0	25	1	52	4	35
20.0N TO 22.5N																								
AUG AND SEP..													1	17	0	17	0	21	4	25	3	27	0	18
OCT TO JUL..													3	18	0	7	1	35	1	11	0	34	7	17
TOTAL..													4	35	0	24	1	56	6	37	3	61	7	35
17.5N TO 20.0N																								
AUG AND SEP..													0	15	1	8	0	18	1	15	1	28	1	24
OCT TO JUL..													0	20	1	4	1	38	1	10	4	38	7	17
TOTAL..													0	35	3	13	1	56	3	25	6	66	8	41

ORIGIN AND OCCURRENCE OF TROPICAL STORMS AND HURRICANES, ANNUAL MEAN (PERCENT) 82.5 W TO 67.5 W PAGE 2 OF 3

LONGITUDE →	82.5 W TO 80.0 W				80.0 W TO 77.5 W				77.5 W TO 75.0 W				75.0 W TO 72.5 W				72.5 W TO 70.0 W				70.0 W TO 67.5 W			
	TR.STMS		HURRCNS		TR.STMS		HURRCNS		TR.STMS		HURRCNS		TR.STMS		HURRCNS		TR.STMS		HURRCNS		TR.STMS		HURRCNS	
LATITUDE ↓	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC
45.0N TO 47.5N																								
AUG AND SEP..	0	0	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	0	0	1	0	0	0	4
OCT TO JUL..	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	3	0	0	0	6	0	0
TOTAL..	0	0	0	1	0	3	0	1	0	4	0	0	0	3	0	0	0	3	0	1	0	6	0	4
42.5N TO 45.0N																								
AUG AND SEP..	0	1	0	0	0	6	0	0	0	6	0	0	0	1	0	3	0	1	0	7	0	4	0	10
OCT TO JUL..	0	0	0	0	0	0	0	0	0	1	0	0	0	7	0	0	0	8	0	0	0	8	0	0
TOTAL..	0	1	0	0	0	6	0	0	0	7	0	0	0	8	0	3	0	10	0	7	0	13	0	10
40.0N TO 42.5N																								
AUG AND SEP..	0	3	0	0	0	4	0	0	0	8	0	0	0	6	0	6	0	7	0	18	0	10	0	27
OCT TO JUL..	0	1	0	0	0	1	0	1	0	6	0	3	0	10	0	0	0	13	0	1	0	15	0	3
TOTAL..	0	4	0	0	0	6	0	1	0	14	0	3	0	15	0	6	0	20	0	20	0	25	0	30
37.5N TO 40.0N																								
AUG AND SEP..	0	3	0	0	0	8	0	0	0	17	0	1	0	10	0	27	0	14	1	24	0	13	1	35
OCT TO JUL..	0	4	0	0	0	6	0	1	0	10	0	4	1	18	0	1	0	17	0	6	0	15	0	7
TOTAL..	0	7	0	0	0	14	0	1	0	27	0	6	1	28	0	28	0	31	1	30	0	28	1	42
35.0N TO 37.5N																								
AUG AND SEP..	0	10	0	0	0	18	0	0	1	25	0	21	0	27	3	35	0	21	0	24	0	17	0	23
OCT TO JUL..	0	6	0	0	0	10	0	1	0	20	0	8	0	14	0	11	0	20	0	11	0	20	1	21
TOTAL..	0	15	0	0	0	28	0	1	1	45	0	30	0	41	3	46	0	41	0	35	0	37	1	44
32.5N TO 35.0N																								
AUG AND SEP..	0	27	0	0	1	28	0	10	1	23	3	31	0	20	0	32	0	18	0	28	0	15	0	24
OCT TO JUL..	0	23	0	0	0	30	0	7	0	28	1	11	0	28	4	20	1	21	0	14	1	17	1	17
TOTAL..	0	49	0	0	1	58	0	17	1	51	4	42	0	48	4	52	1	39	0	42	1	32	1	41
30.0N TO 32.5N																								
AUG AND SEP..	0	30	0	8	4	20	0	13	1	17	3	37	0	20	1	31	1	18	1	31	0	17	0	37
OCT TO JUL..	1	32	0	6	1	34	1	17	6	30	3	15	0	30	3	20	1	25	0	14	1	13	0	20
TOTAL..	1	62	0	14	6	54	1	30	7	46	6	52	0	49	4	51	3	44	1	45	1	30	0	56
27.5N TO 30.0N																								
AUG AND SEP..	0	17	1	15	1	18	0	14	1	20	7	37	0	15	1	39	1	23	3	32	0	11	1	39
OCT TO JUL..	1	23	1	11	0	23	4	20	0	30	4	21	3	31	0	18	0	25	1	17	0	25	3	17
TOTAL..	1	39	3	27	1	41	4	34	1	49	11	58	3	46	1	58	1	48	4	49	0	37	4	56
25.0N TO 27.5N																								
AUG AND SEP..	1	14	0	24	0	20	0	23	3	23	1	28	0	23	4	31	1	25	3	27	0	17	0	32
OCT TO JUL..	1	15	3	28	0	18	3	25	0	31	1	17	0	34	0	10	1	24	3	13	1	24	1	11
TOTAL..	3	30	3	52	0	38	3	48	3	54	3	45	0	56	4	41	3	49	6	39	1	41	1	44
22.5N TO 25.0N																								
AUG AND SEP..	0	14	0	15	0	11	1	21	0	30	3	23	1	35	6	24	0	27	0	35	0	25	3	30
OCT TO JUL..	0	17	0	20	0	17	1	17	0	25	0	8	3	30	1	11	1	25	3	11	0	20	1	10
TOTAL..	0	31	0	35	0	28	3	38	0	55	3	31	4	65	7	35	1	52	3	46	0	45	4	39
20.0N TO 22.5N																								
AUG AND SEP..	3	21	1	14	0	14	0	8	0	13	0	10	0	23	0	14	0	32	4	21	3	30	3	28
OCT TO JUL..	1	18	1	14	0	17	1	10	0	18	0	3	0	15	0	7	0	20	0	7	0	21	4	8
TOTAL..	4	39	3	28	0	31	1	18	0	31	0	13	0	38	0	21	0	52	4	28	3	51	7	37
17.5N TO 20.0N																								
AUG AND SEP..	0	27	6	24	0	20	0	18	0	15	0	15	0	15	0	14	0	23	0	23	1	27	1	23
OCT TO JUL..	0	30	1	18	1	23	1	8	0	14	0	4	0	7	0	4	0	10	0	3	0	14	0	6
TOTAL..	0	56	7	42	1	42	1	27	0	30	0	20	0	23	0	18	0	32	0	25	1	41	1	28

ORIGIN AND OCCURRENCE OF TROPICAL STORMS AND HURRICANES, ANNUAL MEAN (PERCENT) 67.5 W TO 52.5 W PAGE 3 OF 3

LONGITUDE →	67.5 W TO 65.0 W				65.0 W TO 62.5 W				62.5 W TO 60.0 W				60.0 W TO 57.5 W				57.5 W TO 55.0 W				55.0 W TO 52.5 W			
	TR.STMS		HURRCNS		TR.STMS		HURRCNS		TR.STMS		HURRCNS		TR.STMS		HURRCNS		TR.STMS		HURRCNS		TR.STMS		HURRCNS	
LATITUDE ↓	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC	ORG	OCC
45.0N TO 47.5N																								
AUG AND SEP..	0	1	0	8	0	6	0	10	0	8	0	14	0	10	0	14	0	7	0	11	0	7	0	14
OCT TO JUL..	0	7	0	1	0	10	0	3	0	10	0	3	0	10	0	6	0	1	0	8	0	3	0	7
TOTAL..	0	8	0	10	0	15	0	13	0	18	0	17	0	20	0	20	0	8	0	20	0	10	0	21
42.5N TO 45.0N																								
AUG AND SEP..	0	7	0	20	0	10	0	18	0	8	0	17	0	8	0	15	0	7	0	21	0	4	0	25
OCT TO JUL..	0	4	0	4	0	10	0	4	0	11	0	10	0	6	0	7	0	7	0	7	0	8	0	6
TOTAL..	0	11	0	24	0	20	0	23	0	20	0	27	0	14	0	23	0	14	0	28	0	13	0	31
40.0N TO 42.5N																								
AUG AND SEP..	0	14	0	25	0	11	0	30	0	6	0	21	0	3	0	23	0	3	0	32	0	3	1	25
OCT TO JUL..	0	14	0	7	0	11	0	8	0	3	0	8	0	8	0	10	0	11	0	6	0	6	1	10
TOTAL..	0	28	0	32	0	23	0	38	0	8	0	30	0	11	0	32	0	14	0	38	0	8	3	35
37.5N TO 40.0N																								
AUG AND SEP..	0	10	1	27	0	10	0	30	0	7	1	23	0	6	0	30	0	7	0	31	0	6	0	25
OCT TO JUL..	0	15	1	14	0	10	0	17	0	8	0	10	0	10	0	8	0	10	0	4	1	8	0	10
TOTAL..	0	25	3	41	0	20	0	46	0	15	1	32	0	15	0	38	0	17	0	35	1	14	0	35
35.0N TO 37.5N																								
AUG AND SEP..	1	10	3	21	0	8	0	30	0	11	0	37	1	6	0	34	1	10	0	25	0	8	0	17
OCT TO JUL..	0	13	1	23	0	13	0	20	0	13	0	11	0	11	0	8	0	10	0	7	0	8	0	6
TOTAL..	1	23	4	44	0	21	0	49	0	24	0	48	1	17	0	42	1	20	0	32	0	17	0	23
32.5N TO 35.0N																								
AUG AND SEP..	0	18	1	21	0	8	0	23	0	10	1	31	0	8	0	27	0	7	1	21	0	4	0	11
OCT TO JUL..	0	14	0	18	0	17	0	14	0	15	0	10	0	10	0	10	0	6	1	11	0	3	0	8
TOTAL..	0	32	1	39	0	25	0	37	0	25	1	41	0	18	0	37	0	13	3	32	0	7	0	20
30.0N TO 32.5N																								
AUG AND SEP..	1	11	0	30	1	7	1	25	0	6	0	18	0	6	0	17	0	4	0	18	0	4	0	10
OCT TO JUL..	0	13	1	17	0	17	0	15	0	18	0	11	0	4	0	11	0	4	0	7	0	3	1	4
TOTAL..	1	24	1	46	1	24	1	41	0	24	0	30	0	10	0	28	0	8	0	25	0	7	1	14
27.5N TO 30.0N																								
AUG AND SEP..	1	13	0	30	0	7	1	23	0	8	1	18	0	3	3	21	1	6	0	15	0	8	0	11
OCT TO JUL..	0	20	0	14	0	23	0	8	0	14	1	8	0	8	0	6	0	4	0	4	0	4	0	6
TOTAL..	1	32	0	44	0	30	1	31	0	23	3	27	0	11	3	27	1	10	0	20	0	13	0	17
25.0N TO 27.5N																								
AUG AND SEP..	0	11	0	34	0	10	1	28	0	8	1	23	0	6	4	21	0	10	4	13	1	10	1	11
OCT TO JUL..	0	21	0	6	0	11	0	6	0	11	0	6	0	7	1	3	0	8	0	0	0	8	0	0
TOTAL..	0	32	0	39	0	21	1	34	0	20	1	28	0	13	6	24	0	18	4	13	1	18	1	11
22.5N TO 25.0N																								
AUG AND SEP..	0	17	1	32	3	17	0	37	0	8	3	31	0	11	1	20	0	8	1	13	0	11	0	10
OCT TO JUL..	0	15	1	3	0	18	0	4	1	11	0	3	0	6	0	0	0	8	0	0	1	11	0	0
TOTAL..	0	32	3	35	3	35	0	41	1	20	3	34	0	17	1	20	0	17	1	13	1	23	0	10
20.0N TO 22.5N																								
AUG AND SEP..	0	32	3	25	1	27	4	30	1	23	3	28	0	21	3	27	0	18	1	17	0	15	1	24
OCT TO JUL..	1	8	0	4	3	15	0	4	1	15	1	0	0	11	0	1	0	8	1	1	1	6	0	0
TOTAL..	1	41	3	30	4	42	4	34	3	38	4	28	0	32	3	28	0	27	3	18	1	21	1	24
17.5N TO 20.0N																								
AUG AND SEP..	0	39	1	31	4	41	1	27	1	41	1	28	0	39	7	25	3	35	6	17	0	30	3	18
OCT TO JUL..	0	15	3	3	0	14	1	3	0	13	1	1	0	8	0	1	0	4	0	1	0	3	0	0
TOTAL..	0	55	4	34	4	55	3	30	1	54	3	30	0	48	7	27	3	39	6	18	0	32	3	18

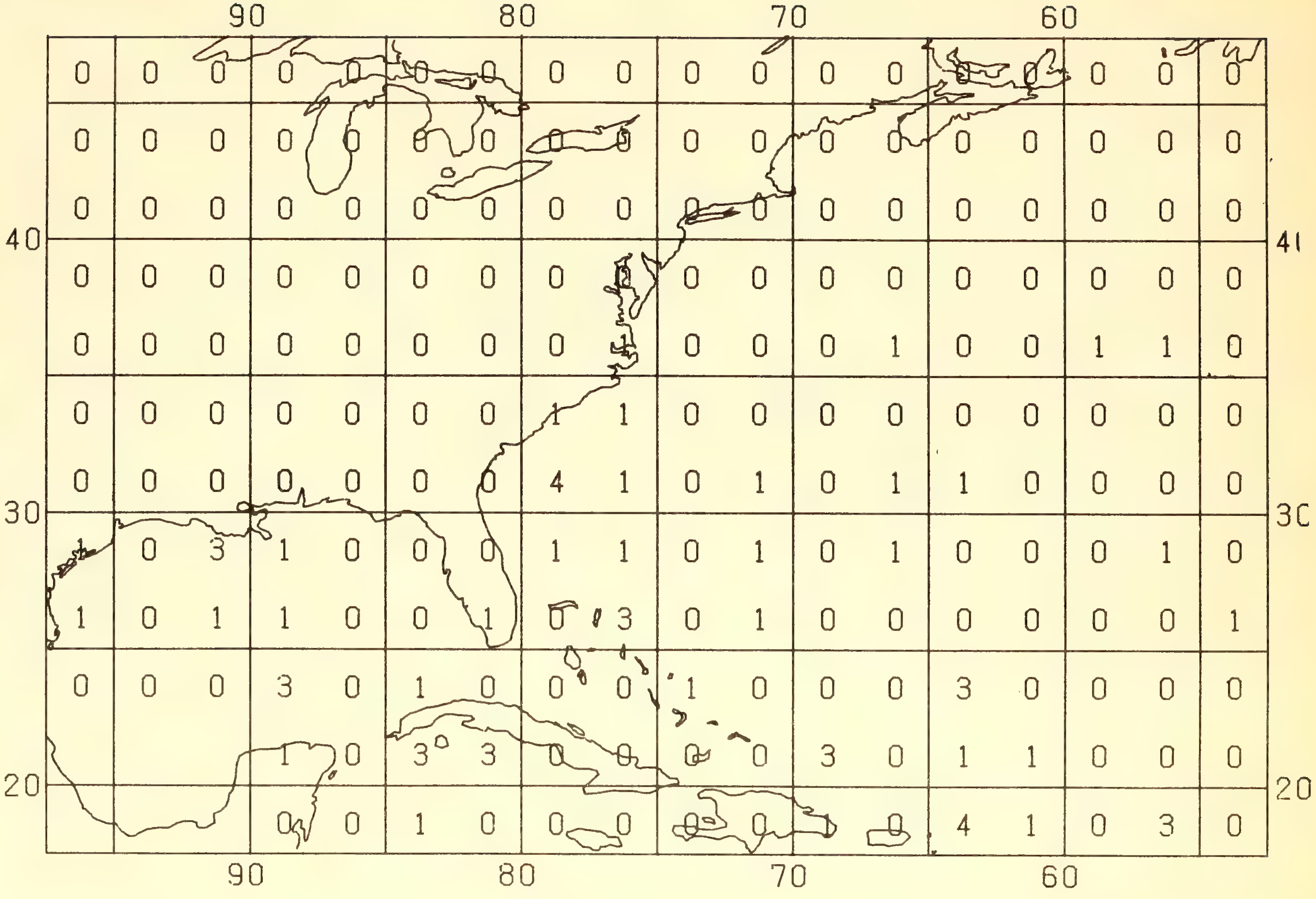
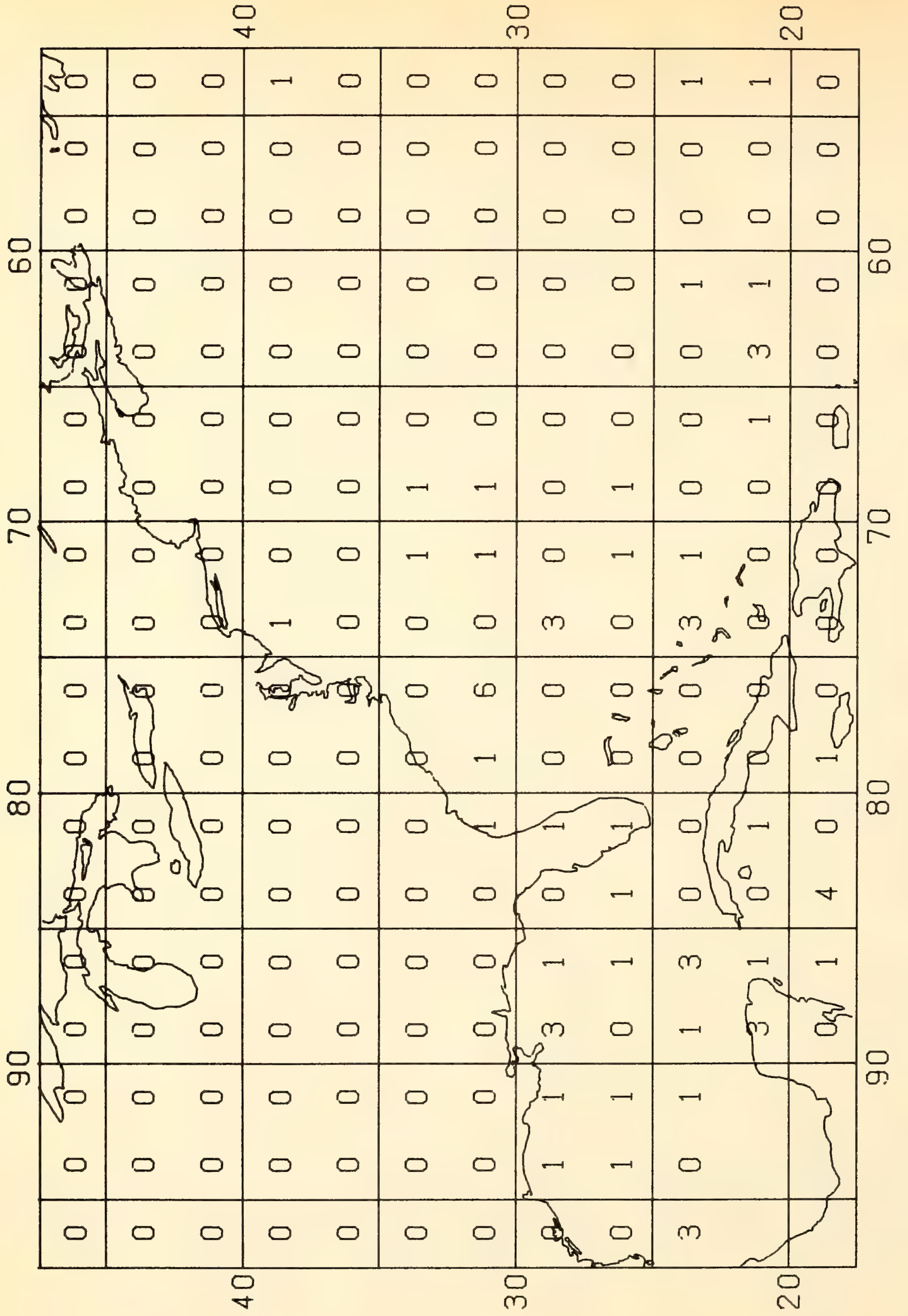
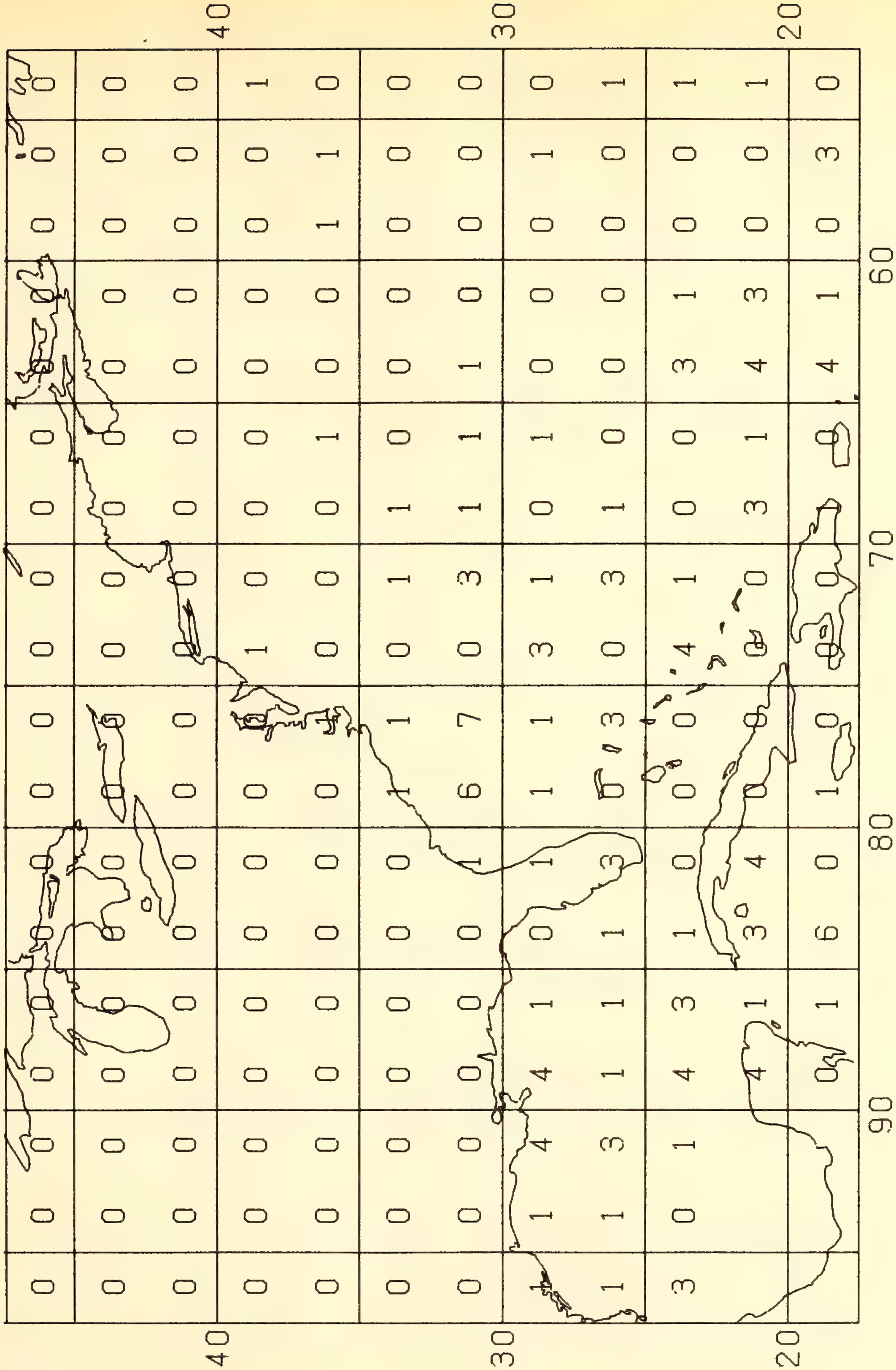


Figure IV-1.--Percent of days tropical storms originated, August and September, 1899-1969.



0	0	0	1	0	0	0	0	0	1	1	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	1	0
0	0	0	0	0	0	0	0	0	0	3	0
0	0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	1	1	0	1	0	0	0
0	0	0	0	0	1	1	0	1	1	0	0
0	0	0	1	0	0	0	3	0	3	0	0
0	0	0	0	0	0	6	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	1
0	0	0	0	0	0	1	1	1	0	1	0
0	0	0	0	0	0	0	0	1	0	0	4
0	0	0	0	0	0	0	1	1	3	1	1
0	0	0	0	0	0	0	3	0	1	3	0
0	0	0	0	0	0	0	1	1	1		
0	0	0	0	0	0	0	1	1	0		
0	0	0	0	0	0	0	0	0	3		

Figure IV-2.--Percent of days tropical storms originated, October thru July, 1899-1969.



0	0	0	1	0	0	0	0	1	1	1	0
0	0	0	0	1	0	0	1	0	0	0	3
0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	3	1
0	0	0	0	0	0	1	0	0	3	4	4
0	0	0	0	1	0	1	1	0	0	1	0
0	0	0	0	0	1	1	0	1	0	3	1
0	0	0	0	0	1	3	1	3	1	0	0
0	0	0	1	0	0	0	3	0	4	0	0
0	0	0	0	1	1	7	1	3	0	0	0
0	0	0	0	0	1	6	1	0	0	0	1
0	0	0	0	0	0	1	1	3	0	4	0
0	0	0	0	0	0	0	0	1	1	3	6
0	0	0	0	0	0	0	1	1	3	1	1
0	0	0	0	0	0	0	4	1	4	4	0
0	0	0	0	0	0	0	4	3	1		
0	0	0	0	0	0	0	1	1	0		
0	0	0	0	0	0	0	1	1	3		

Figure IV-3.--Percent of days tropical storms originated, all months, 1899-1969.

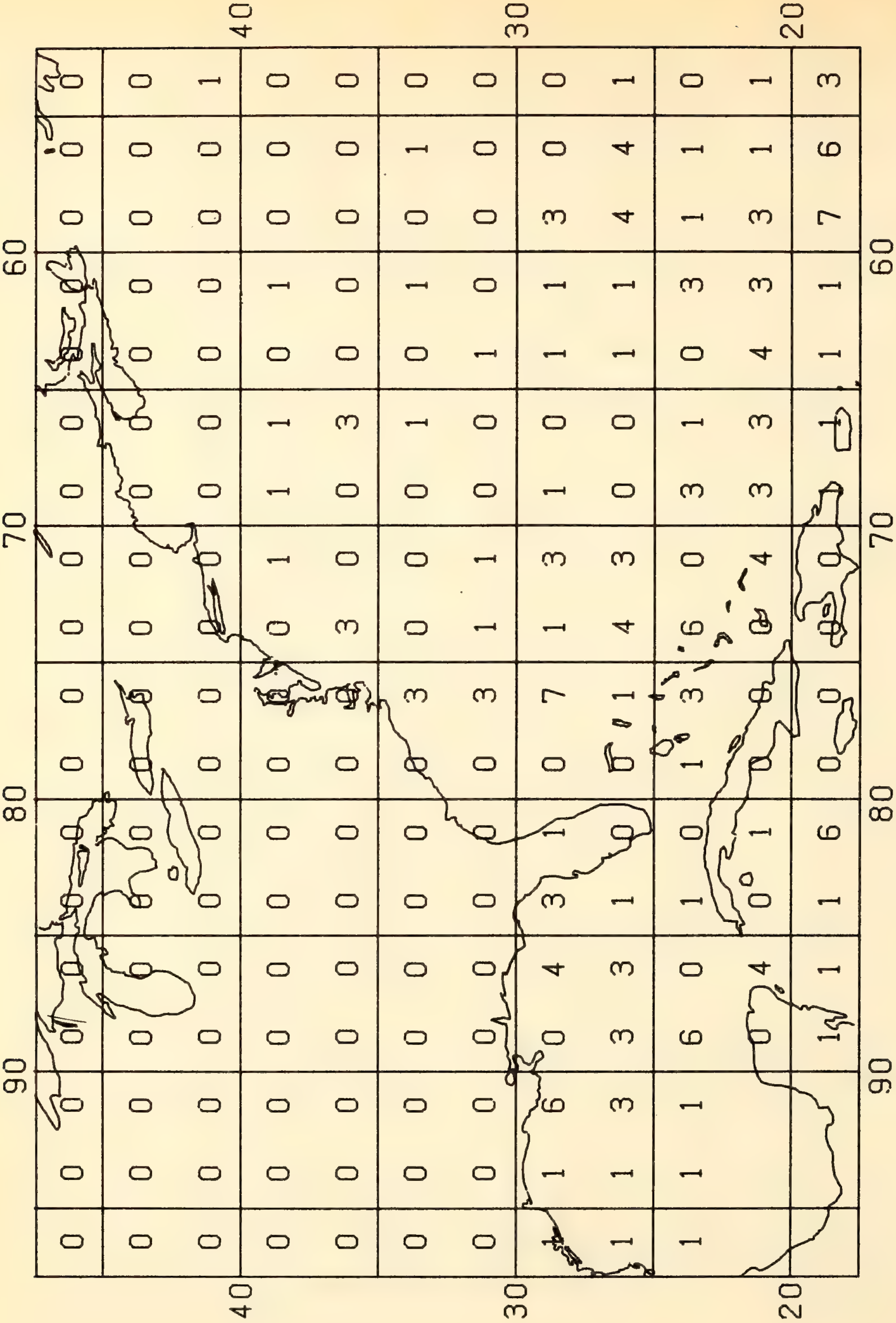
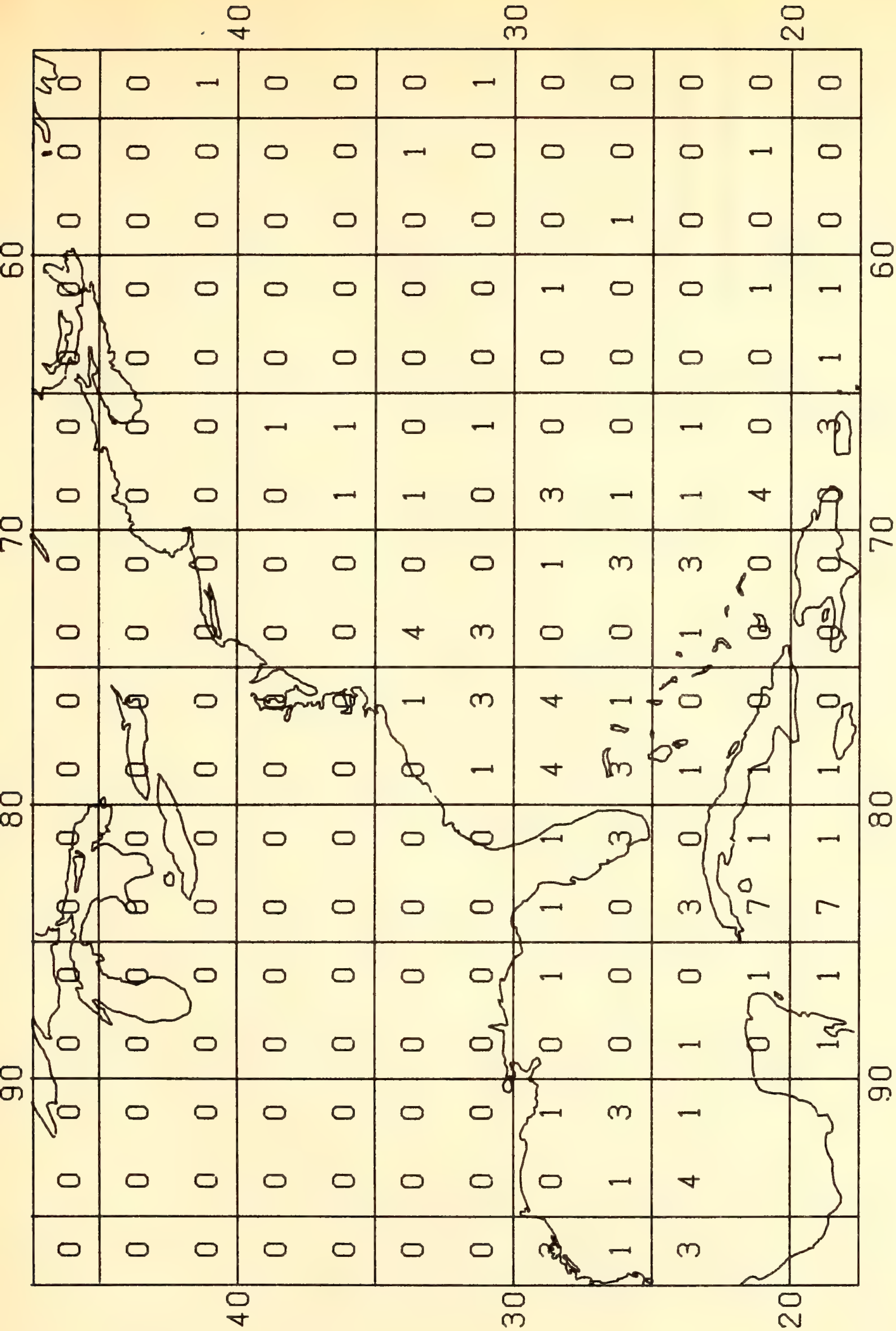
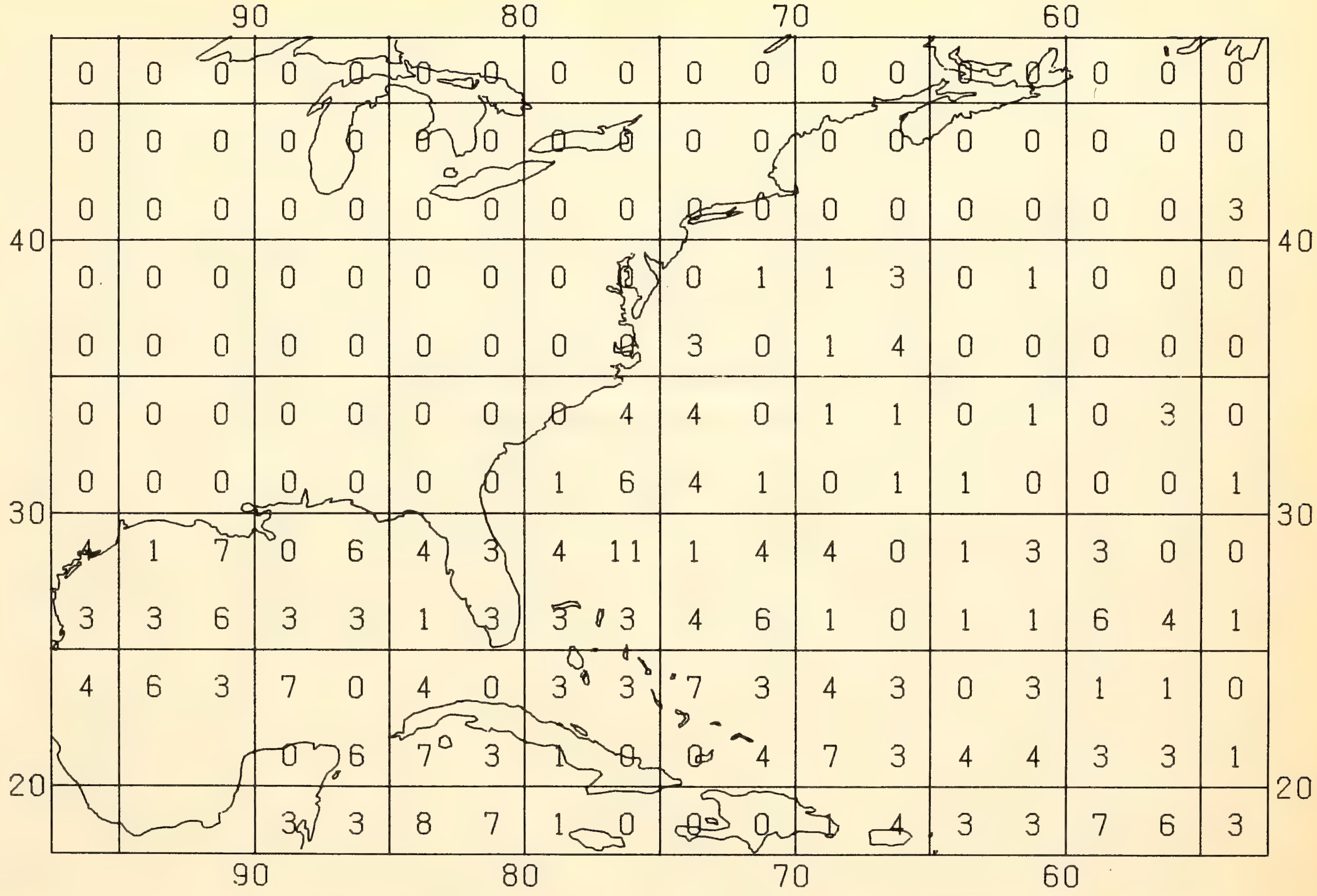


Figure IV-4.--Percent of days hurricanes originated, August and September, 1899-1969.



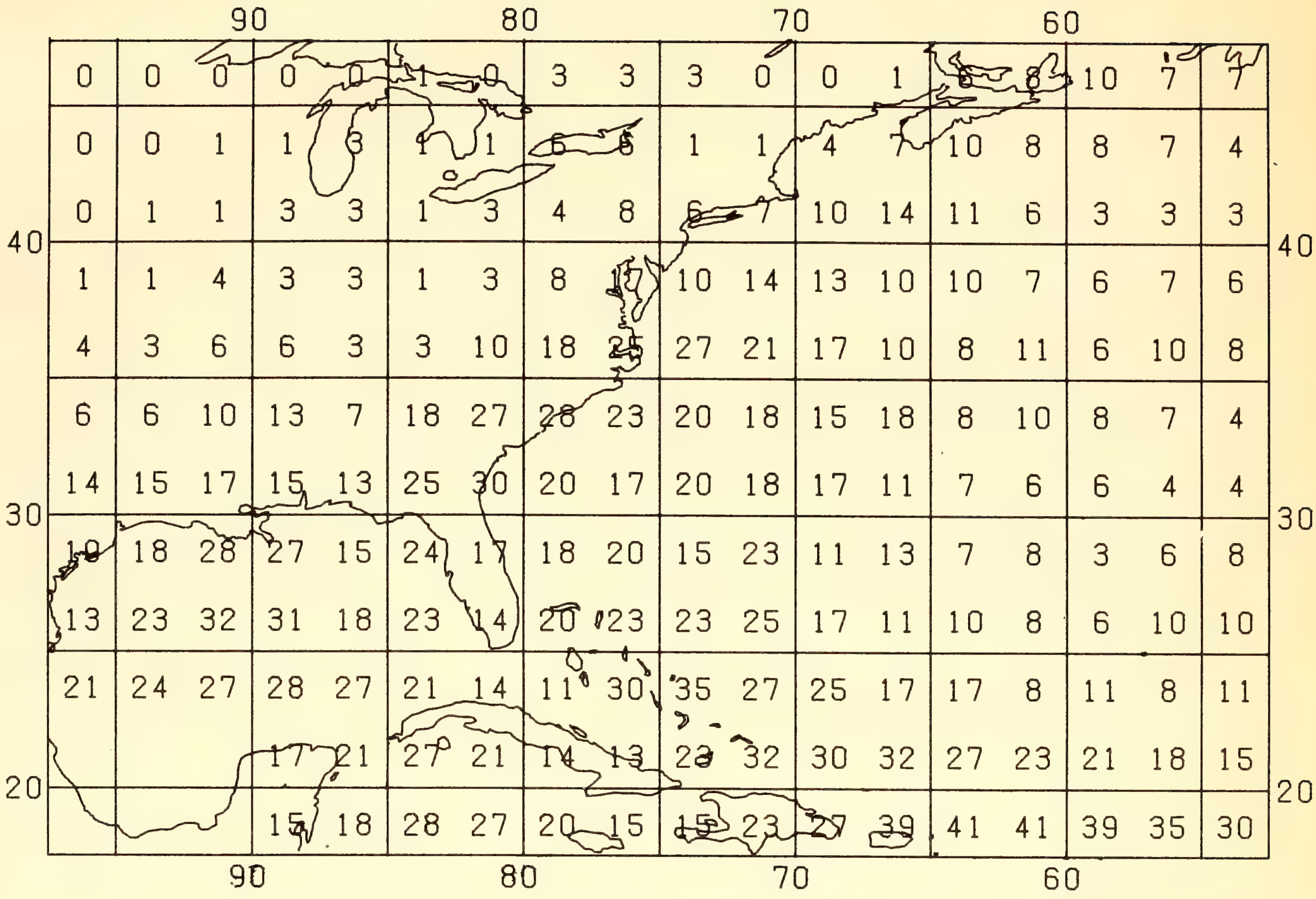
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
0	0	0	0	0	0	0	0	1	4	0	1	0	0	0	0	1	0
0	0	0	0	0	0	0	1	3	3	0	0	1	0	0	0	0	1
3	0	1	0	1	1	1	4	4	0	1	3	0	0	1	0	0	0
1	1	3	0	0	0	3	3	1	0	3	1	0	0	0	1	0	0
3	4	1	1	0	3	0	1	0	1	3	1	1	0	0	0	0	0
			0	1	7	1	1	0	0	0	4	0	0	1	0	1	0
			1	1	7	1	1	0	0	0	0	3	1	1	0	0	0

Figure IV-5.--Percent of days hurricanes originated,
October thru July, 1899-1969.



0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
0	0	0	0	0	0	0	0	0	0	1	1	3	0	1	0	0	0
0	0	0	0	0	0	0	0	0	3	0	1	4	0	0	0	0	0
0	0	0	0	0	0	0	0	4	4	0	1	1	0	1	0	3	0
0	0	0	0	0	0	0	1	6	4	1	0	1	1	0	0	0	1
4	1	7	0	6	4	3	4	11	1	4	4	0	1	3	3	0	0
3	3	6	3	3	1	3	3	3	4	6	1	0	1	1	6	4	1
4	6	3	7	0	4	0	3	3	7	3	4	3	0	3	1	1	0
			0	6	7	3	1	0	0	4	7	3	4	4	3	3	1
			3	3	8	7	1	0	0	0	1	4	3	3	7	6	3

Figure IV-6.--Percent of days hurricanes originated,
all months, 1899-1969.



0	0	0	0	0	1	0	3	3	3	0	0	1	8	8	10	7	7
0	0	1	1	3	1	1	6	6	1	1	4	7	10	8	8	7	4
0	1	1	3	3	1	3	4	8	6	7	10	14	11	6	3	3	3
1	1	4	3	3	1	3	8	17	10	14	13	10	10	7	6	7	6
4	3	6	6	3	3	10	18	25	27	21	17	10	8	11	6	10	8
6	6	10	13	7	18	27	28	23	20	18	15	18	8	10	8	7	4
14	15	17	15	13	25	30	20	17	20	18	17	11	7	6	6	4	4
10	18	28	27	15	24	17	18	20	15	23	11	13	7	8	3	6	8
13	23	32	31	18	23	14	20	23	23	25	17	11	10	8	6	10	10
21	24	27	28	27	21	14	11	30	35	27	25	17	17	8	11	8	11
			17	21	27	21	14	13	23	32	30	32	27	23	21	18	15
			15	18	28	27	20	15	15	23	27	39	41	41	39	35	30

Figure IV-7.--Percent of days tropical storms occurred August and September, 1899-1969.

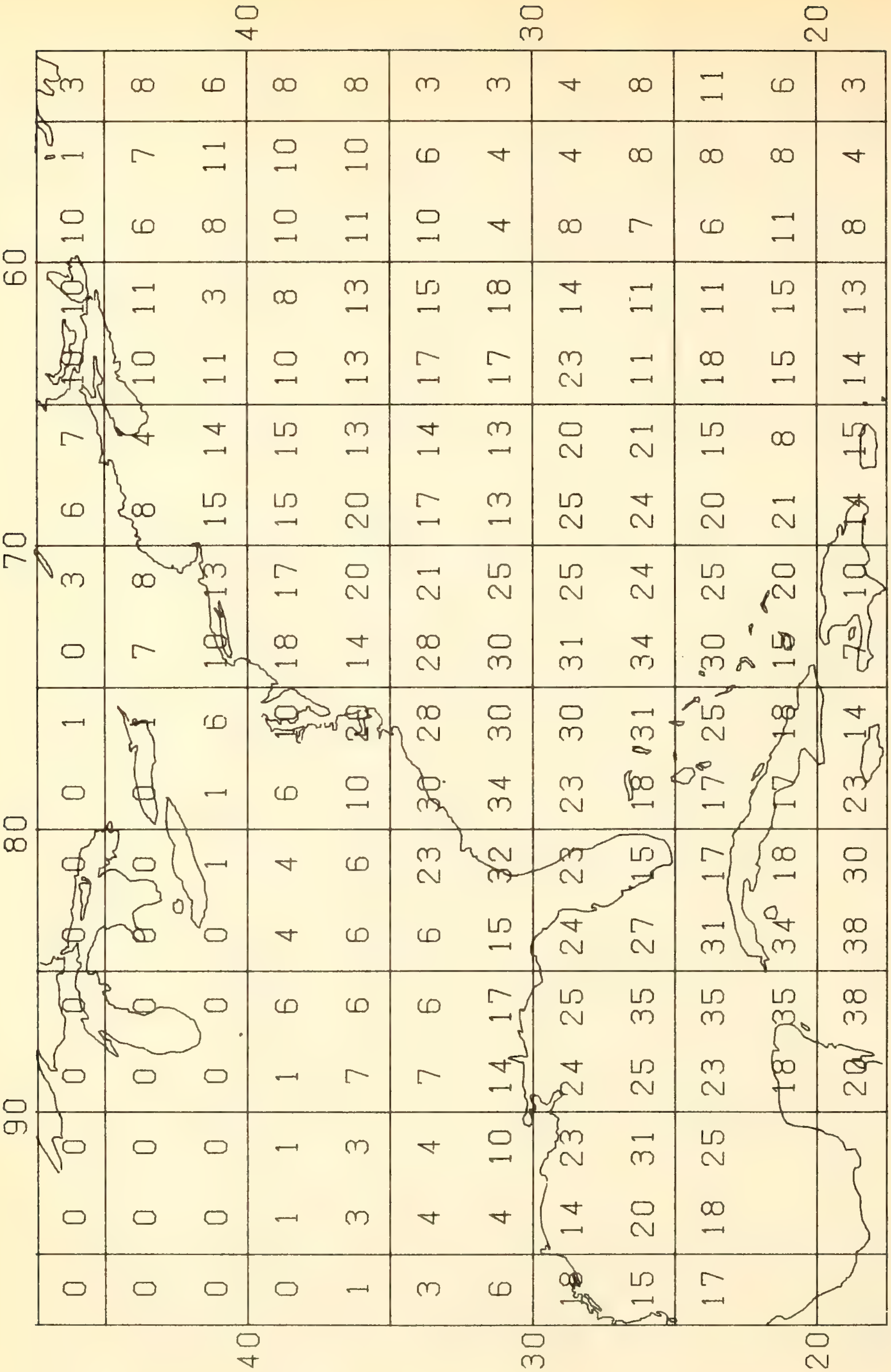
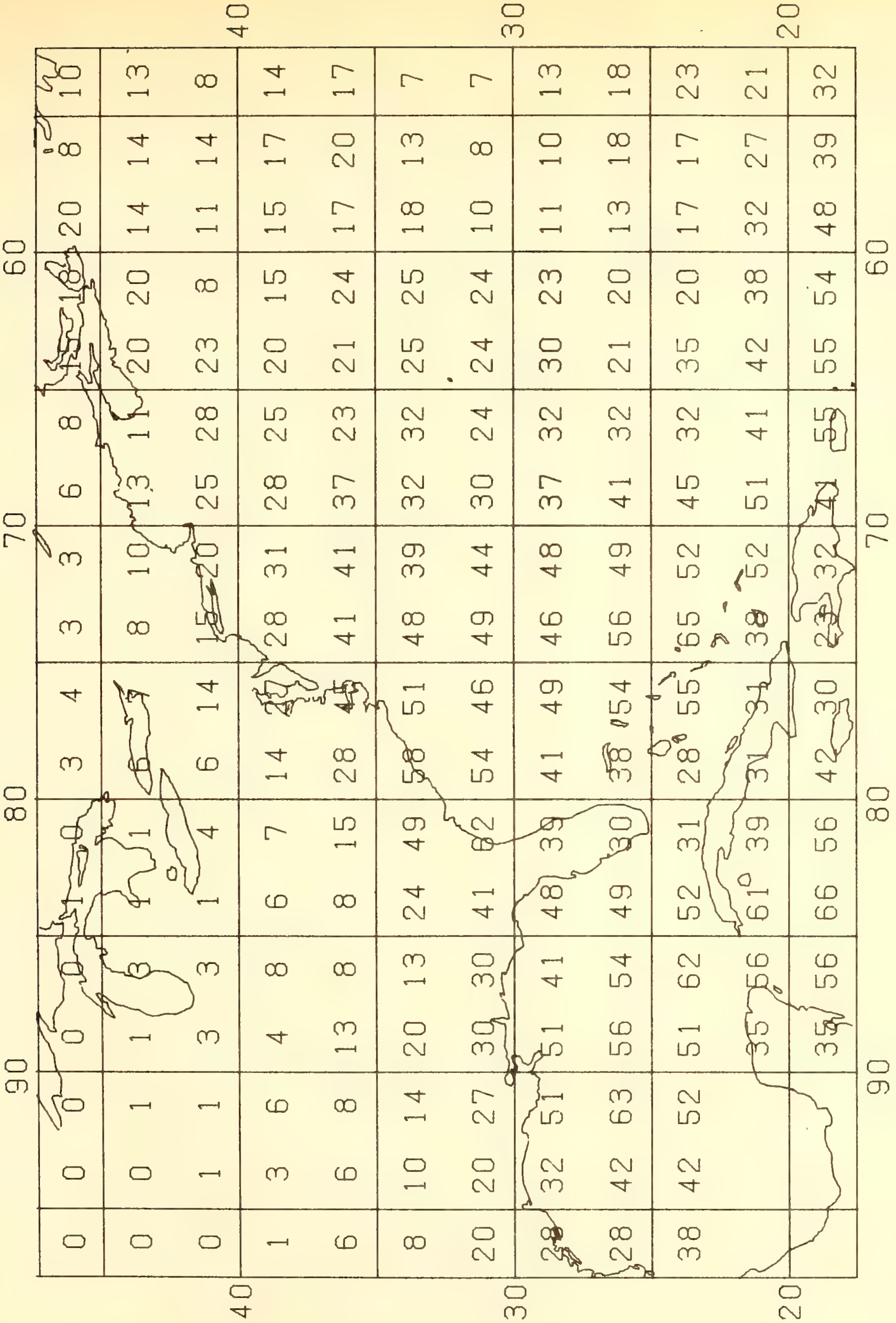


Figure IV-8.--Percent of days tropical storms occurred, October thru July, 1899-1969.



0	0	0	0	0	1	0	3	4	3	3	6	8	15	18	20	8	10
0	0	1	1	3	1	1	6	7	8	10	13	11	20	20	14	14	13
0	1	1	3	3	1	4	6	14	15	20	25	28	23	8	11	14	8
1	3	6	4	8	6	7	14	27	28	31	28	25	20	15	15	17	14
6	6	8	13	8	8	15	28	45	41	41	37	23	21	24	17	20	17
8	10	14	20	13	24	49	58	51	48	39	32	32	25	25	18	13	7
20	20	27	30	30	41	62	54	46	49	44	30	24	24	24	10	8	7
28	32	51	51	41	48	39	41	49	46	48	37	32	30	23	11	10	13
28	42	63	56	54	49	30	38	54	56	49	41	32	21	20	13	18	18
38	42	52	51	62	52	31	28	55	65	52	45	32	35	20	17	17	23
			35	56	61	39	31	31	38	52	51	41	42	38	32	27	21
			35	56	66	56	42	30	23	32	41	55	55	54	48	39	32

Figure IV-9.--Percent of days tropical storms occurred, all months, 1899-1969.

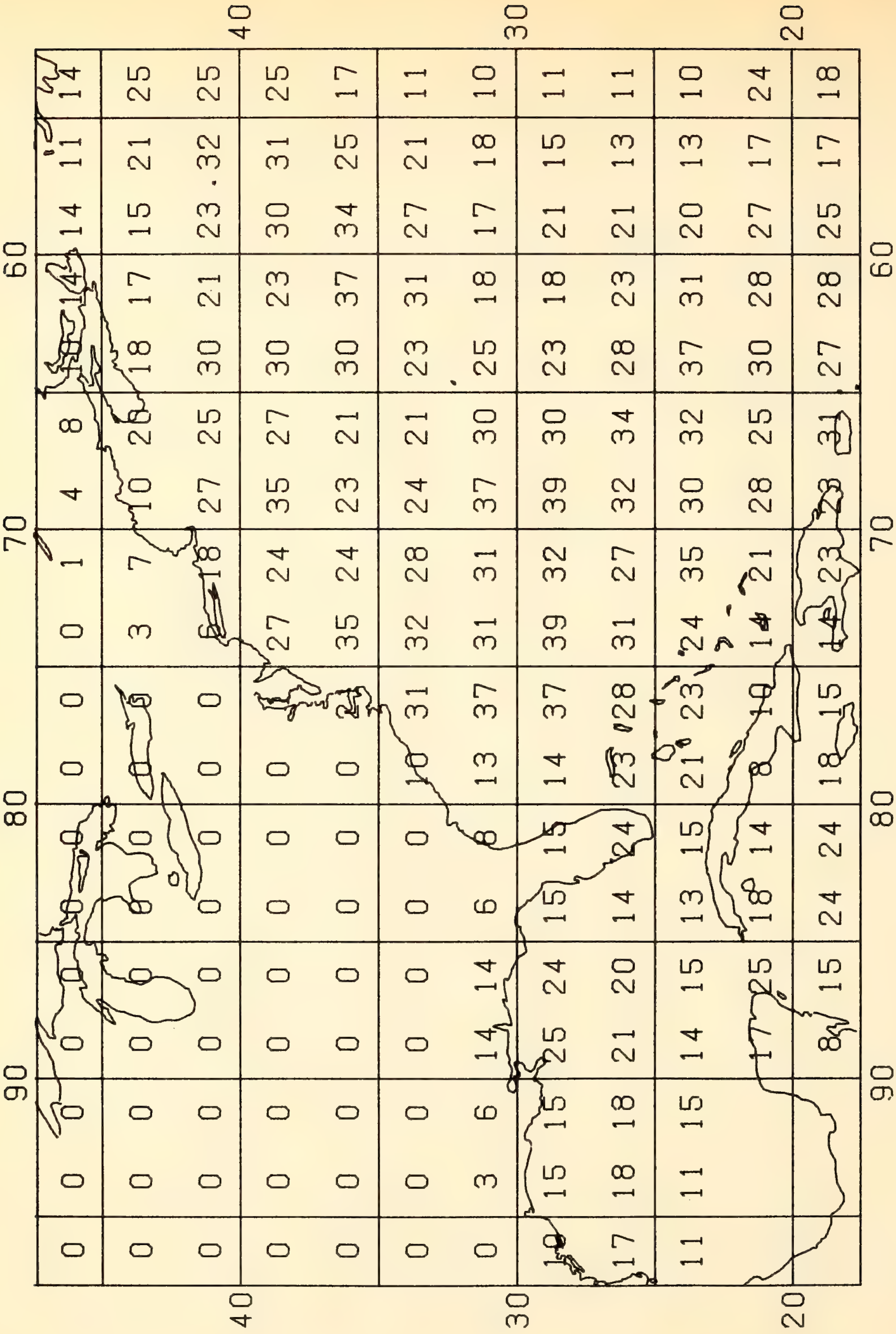
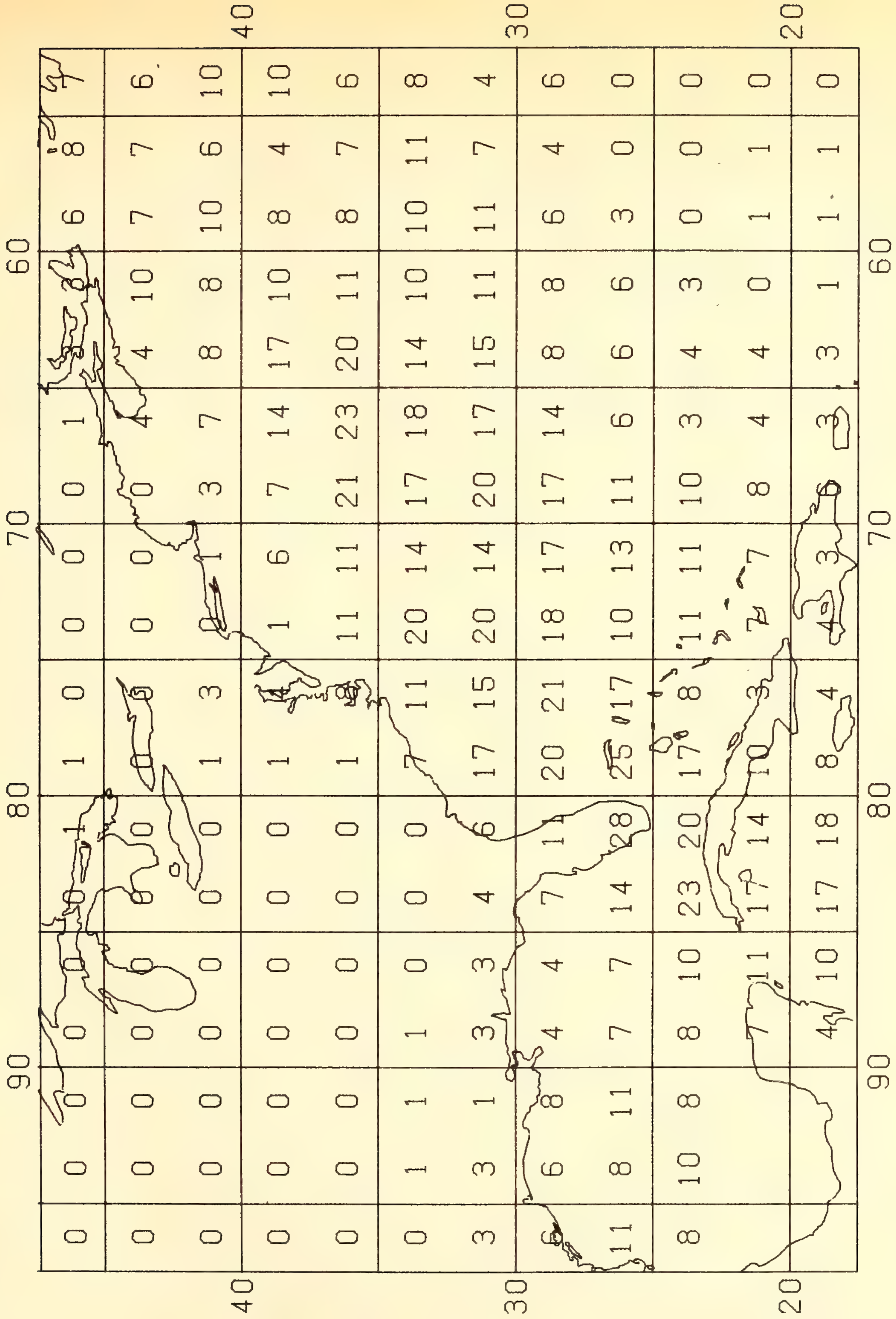


Figure IV-10.--Percent of days hurricanes occurred,
August, September, 1899-1969.



7	6	10	10	6	8	4	6	0	0	0	0
8	7	6	4	7	11	7	4	0	0	1	1
6	7	10	8	8	10	11	6	3	0	1	1
3	10	8	10	11	10	11	8	6	3	0	1
	4	8	17	20	14	15	8	6	4	4	3
1	4	7	14	23	18	17	14	6	3	4	3
0	0	3	7	21	17	20	17	11	10	8	6
0	0	1	6	11	14	14	17	13	11	7	3
0	0	0	1	11	20	20	18	10	11	7	4
0	0	3	4	8	11	15	21	17	8	3	4
1	0	1	1	1	7	17	20	25	17	10	8
1	0	0	0	0	0	6	11	28	20	14	18
0	0	0	0	0	0	4	7	14	23	17	17
0	0	0	0	0	0	3	4	7	10	11	10
0	0	0	0	0	1	3	4	7	8	7	4
0	0	0	0	0	1	1	8	11	8		
0	0	0	0	0	1	3	6	8	10		
0	0	0	0	0	0	3	6	11	8		

Figure IV-11.--Percent of days hurricanes occurred, October thru July, 1899-1969.

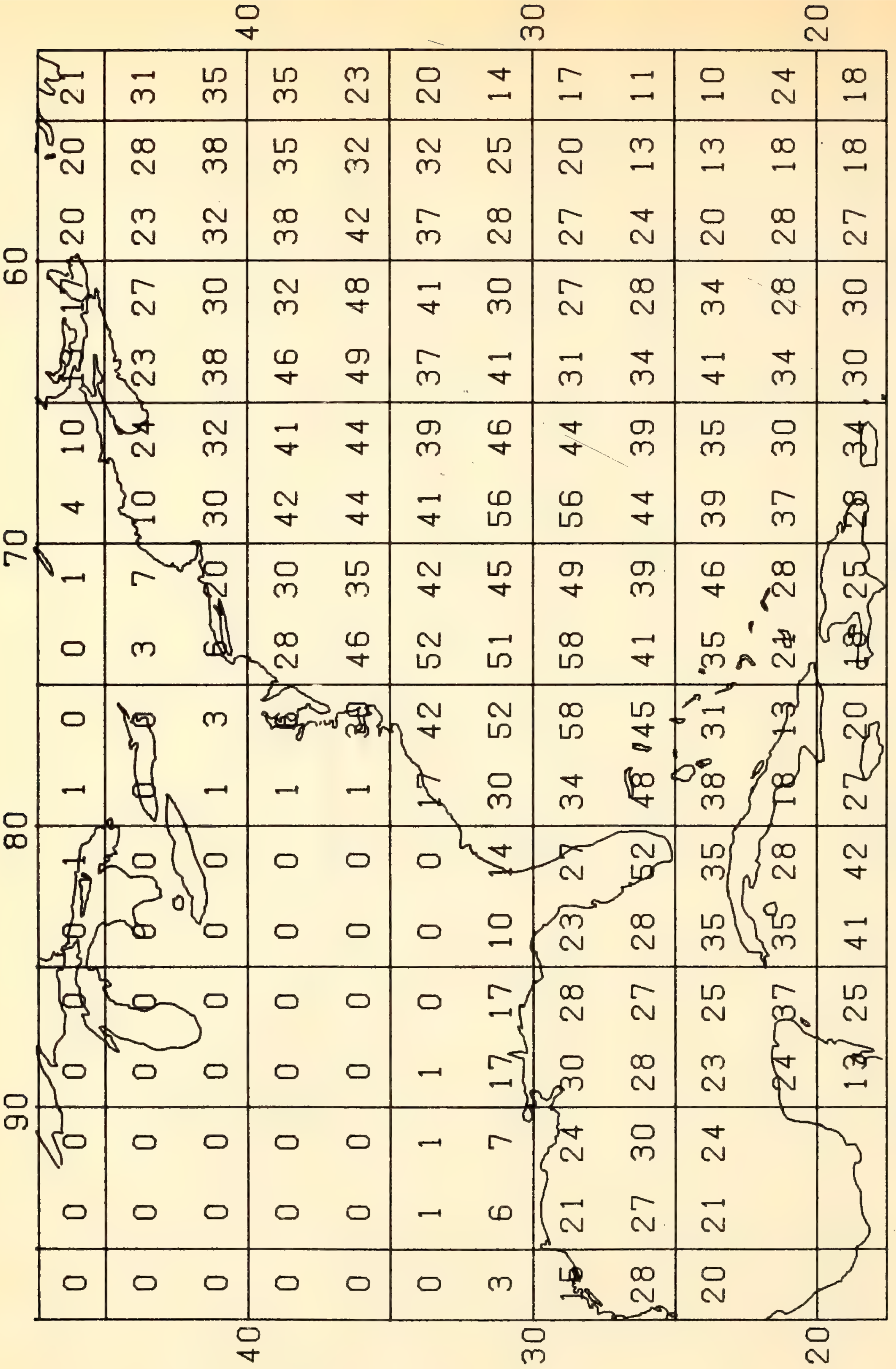


Figure IV-12.--Percent of days hurricanes occurred, all months, 1899-1969.

2. Maximum Winds From Tropical Cyclones

a. Percentage frequency

Table IV-2.--Mean annual percent of days on which max. winds from tropical cyclones reached given intensity

MAX WINDS FROM TROPICAL CYCLONES - MEAN ANNUAL OCCURRENCE BY INTENSITY, PERCENT 97.5 W TO 82.5 W. SHEET 1 OF 3

LONGITUDE...	97.5 W TO 95.0 W				95.0 W TO 92.5 W				92.5 W TO 90.0 W				90.0 W TO 87.5 W				87.5 W TO 85.0 W				85.0 W TO 82.5 W			
SPEED KNOTS...	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT
45.0 TO 47.5N																								
AUG. SEPT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
42.5 TO 45.0N																								
AUG. SEPT	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	3	0	0	3	1	0	0	1
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	3	0	0	3	1	0	0	1
40.0 TO 42.5N																								
AUG. SEPT	0	0	0	0	1	0	0	1	1	0	0	1	3	0	0	3	3	0	0	3	1	0	0	1
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	1	0	0	1	1	0	0	1	3	0	0	3	3	0	0	3	1	0	0	1
37.5 TO 40.0N																								
AUG. SEPT	1	0	0	1	1	0	0	1	4	0	0	4	3	0	0	3	3	0	0	3	1	0	0	1
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	0	0	1	3	0	0	3	6	0	0	6	4	0	0	4	8	0	0	8	6	0	0	6
35.0 TO 37.5N																								
AUG. SEPT	4	0	0	4	3	0	0	3	6	0	0	6	6	0	0	6	3	0	0	3	3	0	0	3
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	6	0	0	6	6	0	0	6	8	0	0	8	13	0	0	13	8	0	0	8	8	0	0	8
32.5 TO 35.0N																								
AUG. SEPT	6	0	0	6	6	0	0	6	10	0	0	10	13	0	0	13	7	0	0	7	18	0	0	18
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	8	0	0	8	10	1	0	11	14	1	0	15	20	1	0	21	13	0	0	13	24	0	0	24
30.0 TO 32.5N																								
AUG. SEPT	14	0	0	14	15	3	0	18	17	4	1	23	15	11	3	30	13	11	3	27	25	4	1	31
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	20	3	0	23	18	7	0	25	25	6	3	34	30	11	6	46	30	14	3	46	41	7	3	51
27.5 TO 30.0N																								
AUG. SEPT	8	6	6	20	15	13	6	34	25	14	4	44	24	15	13	52	15	18	6	39	18	11	10	39
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	24	14	6	44	27	20	7	54	46	21	7	75	46	18	15	80	39	21	8	69	41	15	14	70
25.0 TO 27.5N																								
AUG. SEPT	11	7	11	30	17	13	11	41	24	17	10	51	25	11	15	52	17	8	13	38	18	10	8	37
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	25	20	11	56	35	21	13	69	54	27	13	93	49	17	18	85	51	14	15	80	44	14	20	77
22.5 TO 25.0N																								
AUG. SEPT	18	11	3	32	21	8	6	35	23	13	7	42	18	15	8	42	21	15	6	42	21	7	6	34
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL	32	21	4	58	35	21	7	63	45	21	10	76	41	21	11	73	55	21	11	87	49	20	18	87
20.0 TO 22.5N																								
AUG. SEPT													17	13	4	34	20	15	11	46	21	14	10	45
OCT - JULY													0	0	0	0	0	0	0	0	0	0	0	1
TOTAL													35	18	6	59	51	28	14	93	46	32	17	96
17.5 TO 20.0N																								
AUG. SEPT													14	7	3	24	15	14	4	34	23	21	8	52
OCT - JULY													0	0	0	0	0	0	0	0	0	0	0	1
TOTAL													32	10	6	48	48	27	7	82	51	42	14	107

MAX WINDS FROM TROPICAL CYCLONES - MEAN ANNUAL OCCURRENCE BY INTENSITY, PERCENT 82.5 W TO 67.5 W SHEET 2 OF 3

LONGITUDE...	82.5 W TO 80.0 W				80.0 W TO 77.5 W				77.5 W TO 75.0 W				75.0 W TO 72.5 W				72.5 W TO 70.0 W				70.0 W TO 67.5 W			
SPEED KNOTS...	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT
45.0 TO 47.5N																								
AUG, SEPT	0	0	0	0	3	0	0	3	3	0	0	3	3	0	0	3	0	1	0	1	0	3	1	4
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	1	0	1	3	1	0	4	4	0	0	4	3	0	0	3	3	1	0	4	6	3	1	10
42.5 TO 45.0N																								
AUG, SEPT	1	0	0	1	6	0	0	6	6	0	0	6	1	3	0	4	1	4	3	8	4	6	4	14
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	0	0	1	6	0	0	6	7	0	0	7	8	3	0	11	10	4	3	17	13	6	4	23
40.0 TO 42.5N																								
AUG, SEPT	3	0	0	3	4	0	0	4	8	0	0	8	6	4	1	11	7	11	7	25	10	18	8	37
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4	0	0	4	6	1	0	7	14	3	0	17	15	4	1	21	20	13	7	39	25	21	8	55
37.5 TO 40.0N																								
AUG, SEPT	3	0	0	3	8	0	0	8	17	0	1	18	10	17	10	37	14	15	8	38	13	24	11	48
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	7	0	0	7	14	1	0	15	27	4	1	32	28	18	10	56	31	21	8	61	28	31	11	70
35.0 TO 37.5N																								
AUG, SEPT	10	0	0	10	18	0	0	18	21	11	14	46	23	20	20	62	18	15	11	45	14	17	8	39
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	15	0	0	15	28	1	0	30	41	20	14	75	35	30	23	87	37	25	14	76	32	38	10	80
32.5 TO 35.0N																								
AUG, SEPT	27	0	0	27	28	6	4	38	21	18	14	54	20	15	17	52	18	15	13	46	15	13	11	39
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	49	0	0	49	56	13	6	75	46	32	14	93	44	38	18	100	35	32	14	82	30	28	15	73
30.0 TO 32.5N																								
AUG, SEPT	30	4	4	38	17	11	4	32	13	24	17	54	20	14	17	51	15	18	15	49	17	15	21	54
OCT - JULY	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	62	10	4	76	49	28	6	83	35	45	18	99	42	38	20	100	38	32	18	89	27	34	25	86
27.5 TO 30.0N																								
AUG, SEPT	17	6	10	32	18	7	7	32	14	25	17	56	15	20	20	55	18	17	20	55	10	13	28	51
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	39	13	14	66	35	28	11	75	34	52	21	107	45	35	24	104	44	30	24	97	32	27	34	93
25.0 TO 27.5N																								
AUG, SEPT	13	10	15	38	17	8	17	42	21	11	18	51	20	18	15	54	17	18	17	52	13	14	23	49
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	27	25	30	82	32	25	29	86	48	25	25	99	52	25	20	97	41	28	20	89	32	30	23	85
22.5 TO 25.0N																								
AUG, SEPT	13	7	10	30	11	6	15	32	25	11	15	52	30	11	18	59	25	18	18	62	23	20	13	55
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	25	20	21	66	25	14	27	66	48	15	23	86	56	21	23	100	46	32	20	99	38	34	13	85
20.0 TO 22.5N																								
AUG, SEPT	20	8	7	35	14	0	8	23	13	1	8	23	23	6	8	37	27	18	8	54	24	18	15	58
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	35	18	14	68	31	3	15	49	28	4	11	44	37	10	13	59	46	25	8	80	44	28	15	87
17.5 TO 20.0N																								
AUG, SEPT	21	17	13	51	18	8	11	38	15	8	7	31	15	10	4	30	21	17	7	45	25	13	11	49
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	46	34	18	99	39	15	14	69	30	11	8	49	23	11	7	41	31	18	8	58	39	18	11	69

Table IV-2.--Concluded

MAX WINDS FROM TROPICAL CYCLONES - MEAN ANNUAL OCCURRENCE BY INTENSITY, PERCENT 67.5 W TO 52.5 W SHEET 3 OF 3

LONGITUDE...	67.5 W TO 65.0 W				65.0 W TO 62.5 W				62.5 W TO 60.0 W				60.0 W TO 57.5 W				57.5 W TO 55.0 W				55.0 W TO 52.5 W			
SPEED KNOTS...	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT	34 64	65 99	100 +	TOT
45.0 TO 47.5N																								
AUG, SEPT	3	6	3	11	6	6	4	15	8	11	3	23	11	13	1	25	7	11	0	18	7	13	1	21
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	10	7	3	20	15	8	4	28	18	14	3	35	21	18	1	41	8	18	1	28	10	18	3	31
42.5 TO 45.0N																								
AUG, SEPT	7	15	4	27	10	11	7	28	8	14	3	25	8	13	3	24	7	17	4	28	4	23	3	30
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	11	20	4	35	20	14	8	42	20	23	4	46	14	18	4	37	14	23	6	42	13	27	4	44
40.0 TO 42.5N																								
AUG, SEPT	14	18	7	39	11	21	8	41	6	14	7	27	3	18	4	25	3	27	6	35	3	21	4	28
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	28	23	10	61	23	27	11	61	8	21	8	38	11	25	7	44	14	32	6	52	8	31	4	44
37.5 TO 40.0N																								
AUG, SEPT	10	18	8	37	10	20	10	39	7	14	8	30	6	18	11	35	6	27	6	38	6	20	6	31
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	25	31	10	66	20	34	13	66	15	23	10	48	15	24	14	54	15	31	6	52	13	30	7	49
35.0 TO 37.5N																								
AUG, SEPT	7	15	8	31	7	15	15	38	11	20	17	48	6	20	14	39	8	18	8	35	8	14	3	25
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	20	31	15	66	20	27	24	70	24	27	21	72	17	24	18	59	18	20	14	52	15	18	6	39
32.5 TO 35.0N																								
AUG, SEPT	18	8	13	39	7	10	14	31	10	13	18	41	8	13	14	35	7	10	11	28	4	10	1	15
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	32	18	21	72	24	15	23	62	24	20	23	66	18	18	18	55	13	18	14	45	7	18	1	27
30.0 TO 32.5N																								
AUG, SEPT	11	13	17	41	7	11	14	32	6	7	11	24	6	4	13	23	4	13	6	23	4	8	1	14
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	24	21	25	70	23	25	17	65	23	17	14	54	10	13	15	38	8	18	7	34	6	11	4	21
27.5 TO 30.0N																								
AUG, SEPT	11	10	21	42	4	14	11	30	6	11	10	27	3	11	10	24	4	13	4	21	8	7	4	20
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	30	23	24	76	25	23	13	61	18	20	11	49	10	15	13	38	8	15	6	30	13	11	6	30
25.0 TO 27.5N																								
AUG, SEPT	11	13	21	45	8	14	15	38	6	17	8	31	6	17	4	27	7	13	3	23	8	8	4	21
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	32	18	21	72	20	20	15	55	15	23	10	48	11	20	6	37	14	14	3	31	17	8	4	30
22.5 TO 25.0N																								
AUG, SEPT	14	23	13	49	14	24	15	54	7	18	14	39	7	17	7	31	6	13	3	21	10	6	6	21
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	27	28	13	68	32	28	15	76	18	20	15	54	13	17	7	37	14	13	3	30	21	6	6	32
20.0 TO 22.5N																								
AUG, SEPT	25	17	15	58	23	23	11	56	17	23	11	51	20	20	8	48	15	11	8	35	14	18	7	39
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	32	23	15	70	38	27	11	76	30	25	11	66	30	23	8	61	24	13	8	45	18	20	7	45
17.5 TO 20.0N																								
AUG, SEPT	38	15	17	70	37	17	14	68	37	21	11	69	32	28	4	65	25	23	4	52	25	18	4	48
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	49	23	17	89	49	21	14	85	48	24	11	83	41	30	4	75	30	24	4	58	28	18	4	58

b. Recurrence interval

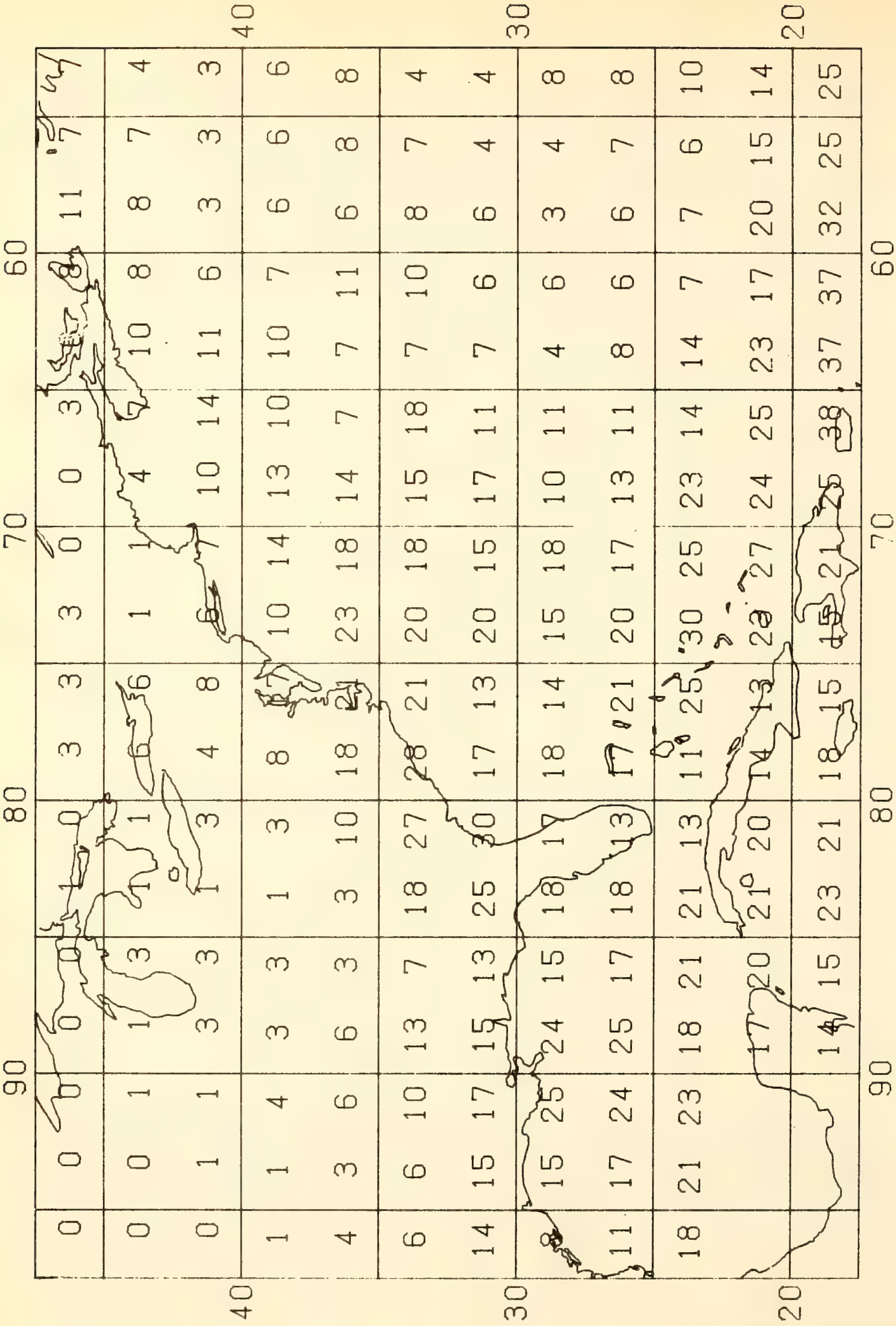
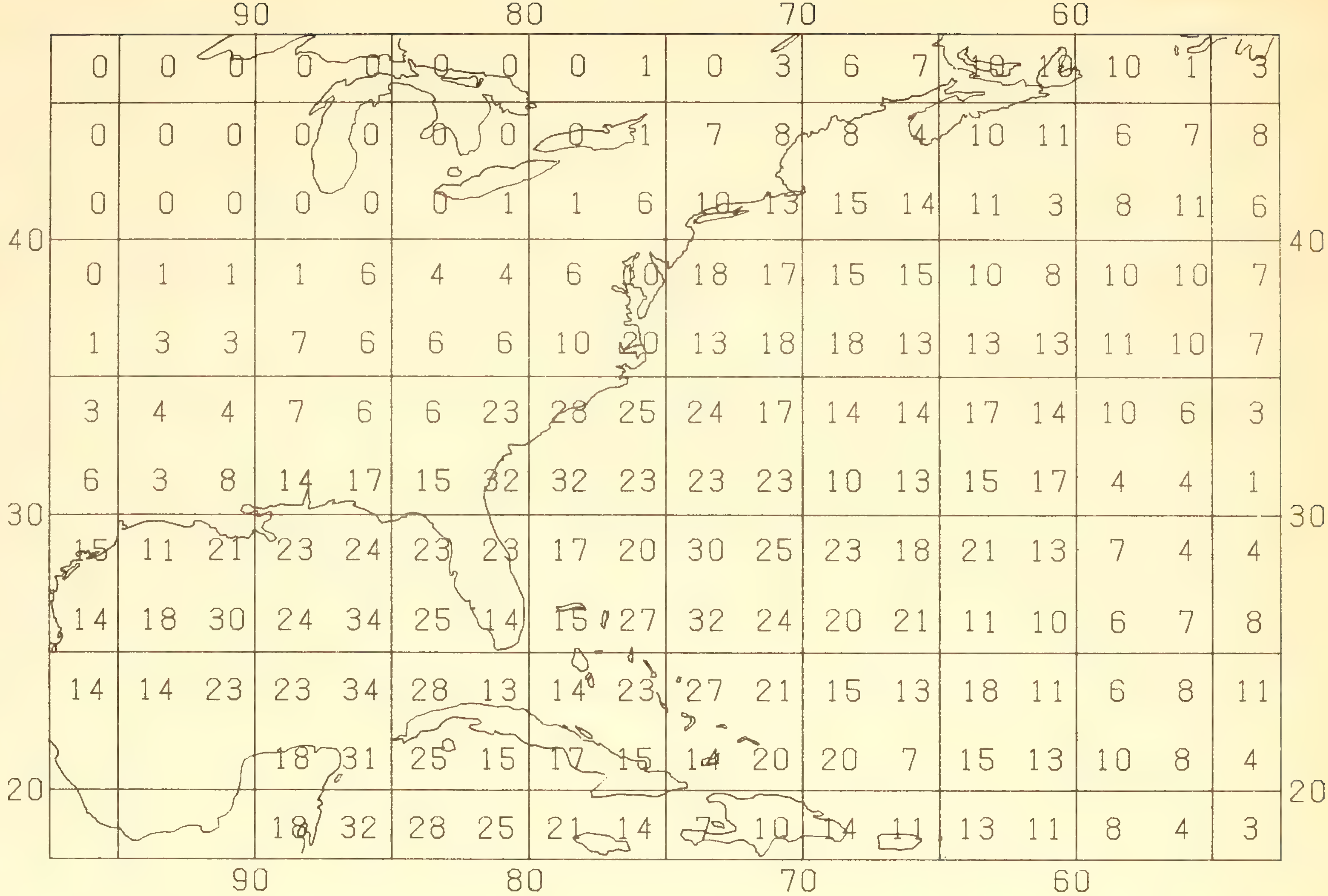


Figure IV-13.--Percent of days with tropical cyclone winds in speed classes (kt), by season, 1899-1969: August, September, 34 to 64 kt.



0	0	0	0	0	0	0	0	1	0	3	6	7	10	10	10	1	3
0	0	0	0	0	0	0	0	1	7	8	8	4	10	11	6	7	8
0	0	0	0	0	0	1	1	6	10	13	15	14	11	3	8	11	6
0	1	1	1	6	4	4	6	10	18	17	15	15	10	8	10	10	7
1	3	3	7	6	6	6	10	20	13	18	18	13	13	13	11	10	7
3	4	4	7	6	6	23	28	25	24	17	14	14	17	14	10	6	3
6	3	8	14	17	15	32	32	23	23	23	10	13	15	17	4	4	1
15	11	21	23	24	23	23	17	20	30	25	23	18	21	13	7	4	4
14	18	30	24	34	25	14	15	27	32	24	20	21	11	10	6	7	8
14	14	23	23	34	28	13	14	23	27	21	15	13	18	11	6	8	11
			18	31	25	15	17	15	14	20	20	7	15	13	10	8	4
			18	32	28	25	21	14	7	10	14	11	13	11	8	4	3

Figure IV-14.--Percent of days with tropical cyclone winds in speed classes (kt), by season, 1899-1969: October to July, 34 to 64 kt.

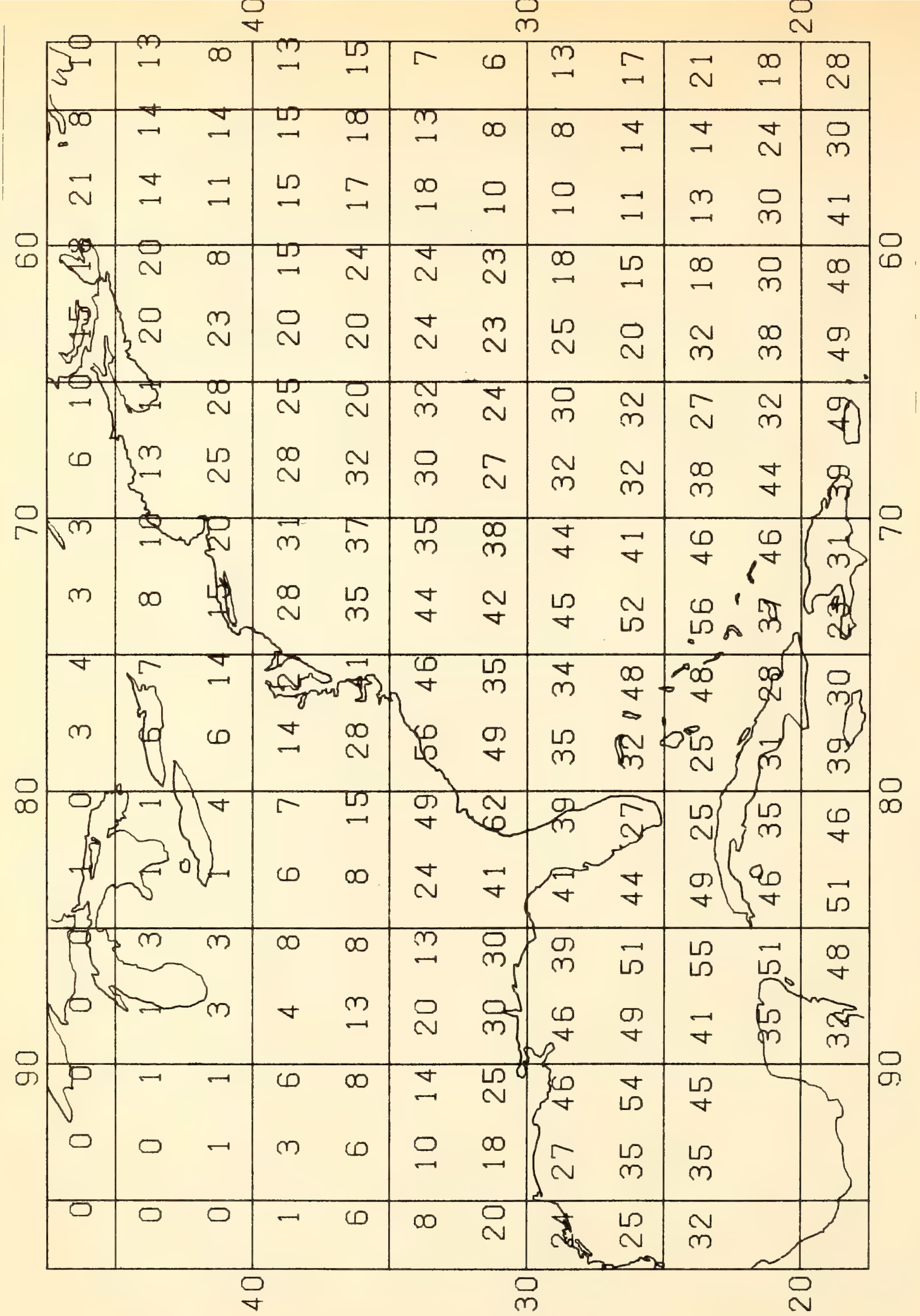
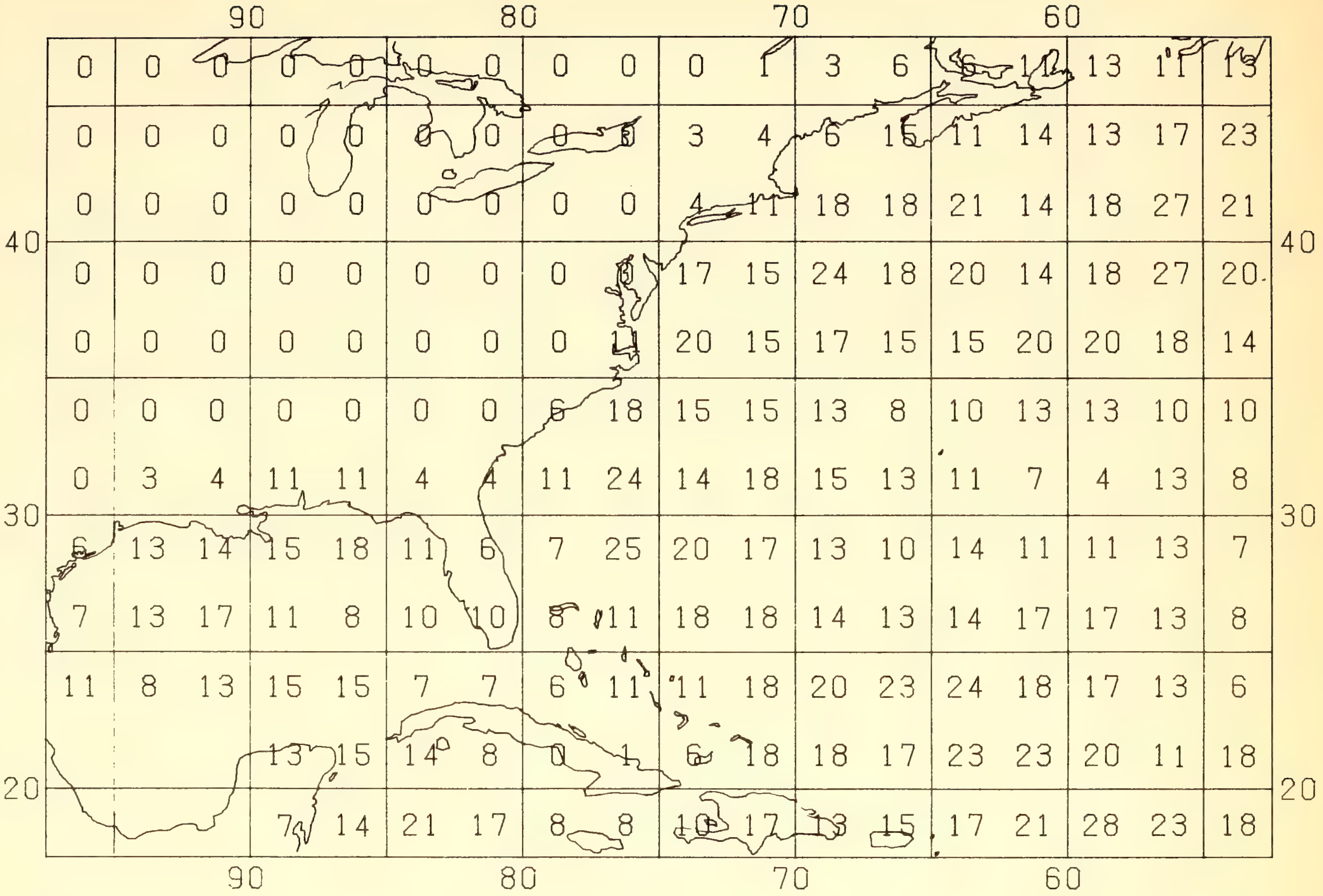


Figure IV-15.--Percent of days with tropical cyclone winds in speed classes (kt), by season, 1899-1969: All months, 34 to 64 kt.



0	0	0	0	0	0	0	0	0	0	1	3	6	6	11	13	11	13
0	0	0	0	0	0	0	0	0	3	4	6	15	11	14	13	17	23
0	0	0	0	0	0	0	0	0	4	11	18	18	21	14	18	27	21
0	0	0	0	0	0	0	0	0	17	15	24	18	20	14	18	27	20
0	0	0	0	0	0	0	0	1	20	15	17	15	15	20	20	18	14
0	0	0	0	0	0	0	6	18	15	15	13	8	10	13	13	10	10
0	3	4	11	11	4	4	11	24	14	18	15	13	11	7	4	13	8
6	13	14	15	18	11	6	7	25	20	17	13	10	14	11	11	13	7
7	13	17	11	8	10	10	8	11	18	18	14	13	14	17	17	13	8
11	8	13	15	15	7	7	6	11	11	18	20	23	24	18	17	13	6
			13	15	14	8	0	1	6	18	18	17	23	23	20	11	18
			7	14	21	17	8	8	10	17	13	15	17	21	28	23	18

Figure IV-16.--Percent of days with tropical cyclone winds in speed classes (kt), by season, 1899-1969: August, September, 65 to 99 kt.

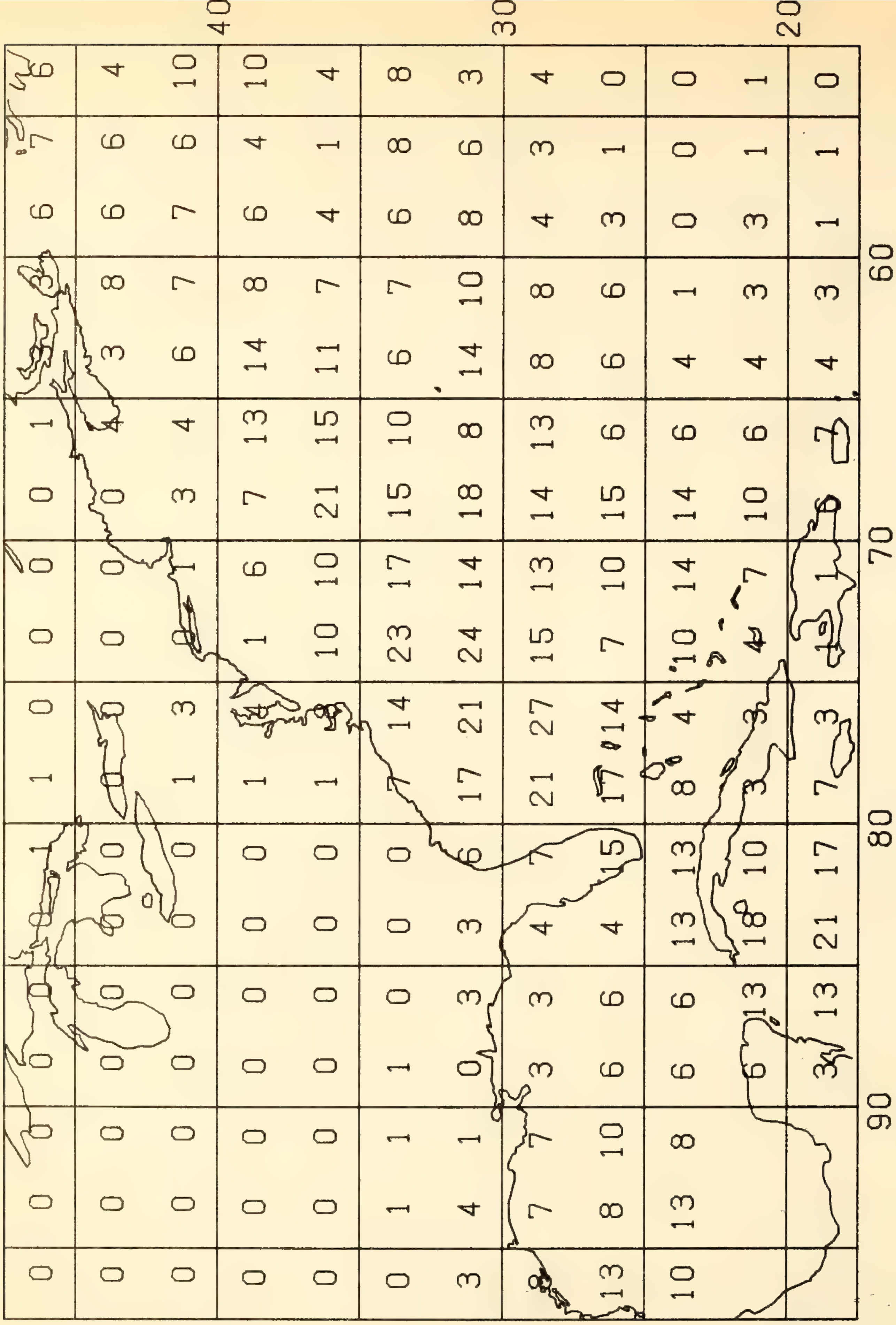


Figure IV-17.--Percent of days with tropical cyclone winds in speed classes (kt), by season, 1899-1969: October to July, 65 to 99 kt.

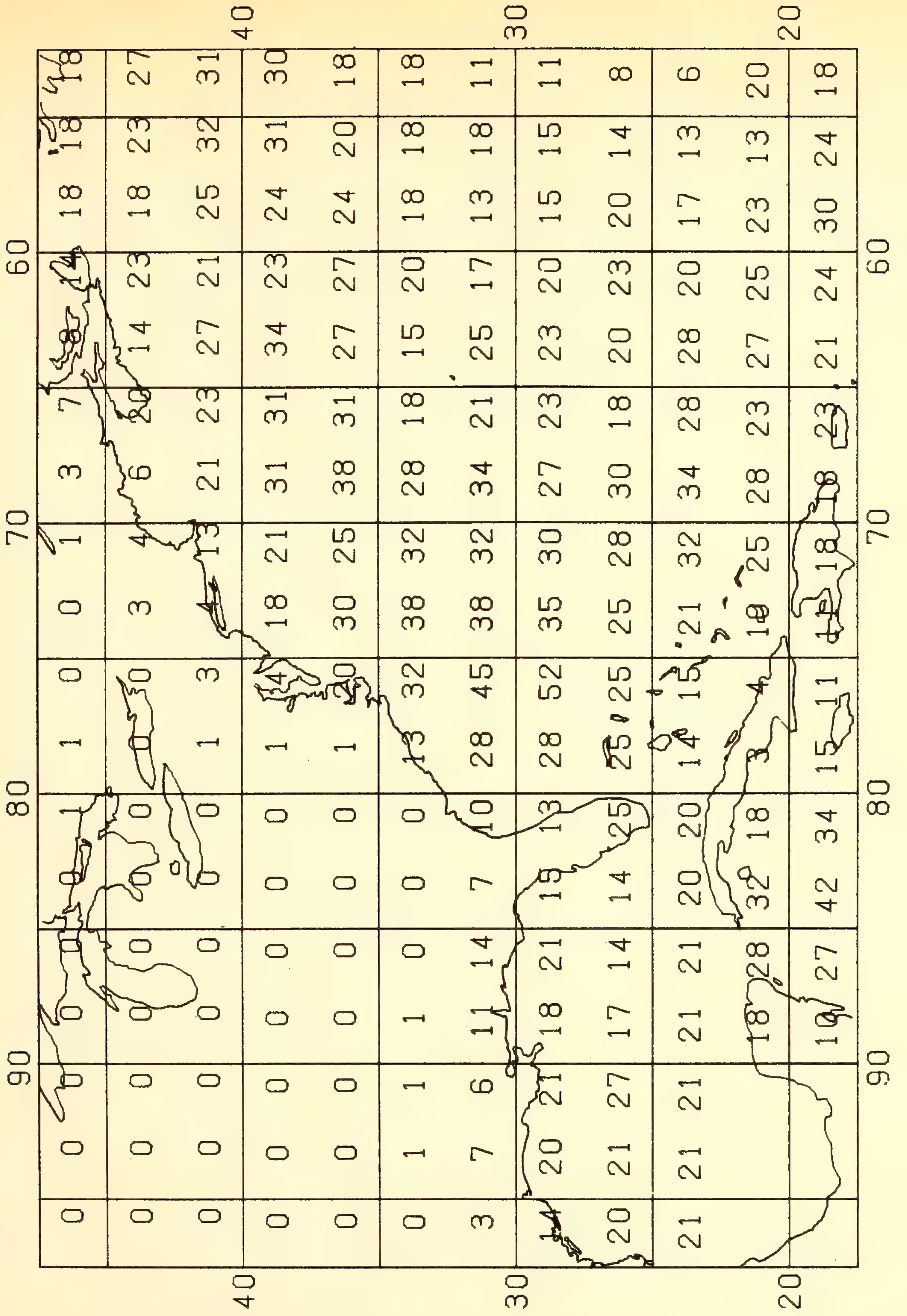


Figure IV-18.--Percent of days with tropical cyclone winds in speed classes (kt), by season, 1899-1969:
All months, 65 to 99 kt.

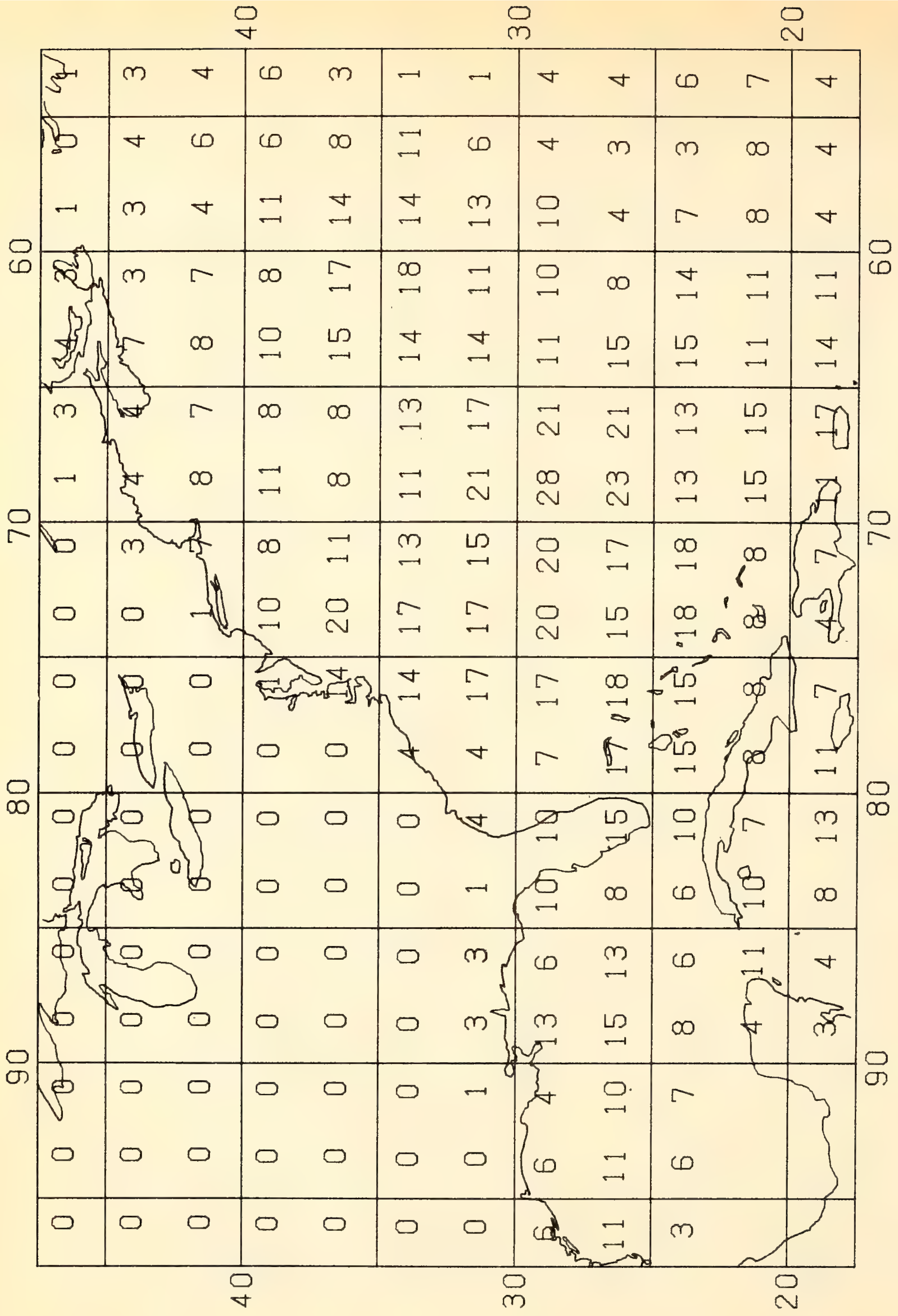


Figure IV-19.--Percent of days with tropical cyclone winds in speed classes (kt), by season, 1899-1969: August, September, 100+ kt.

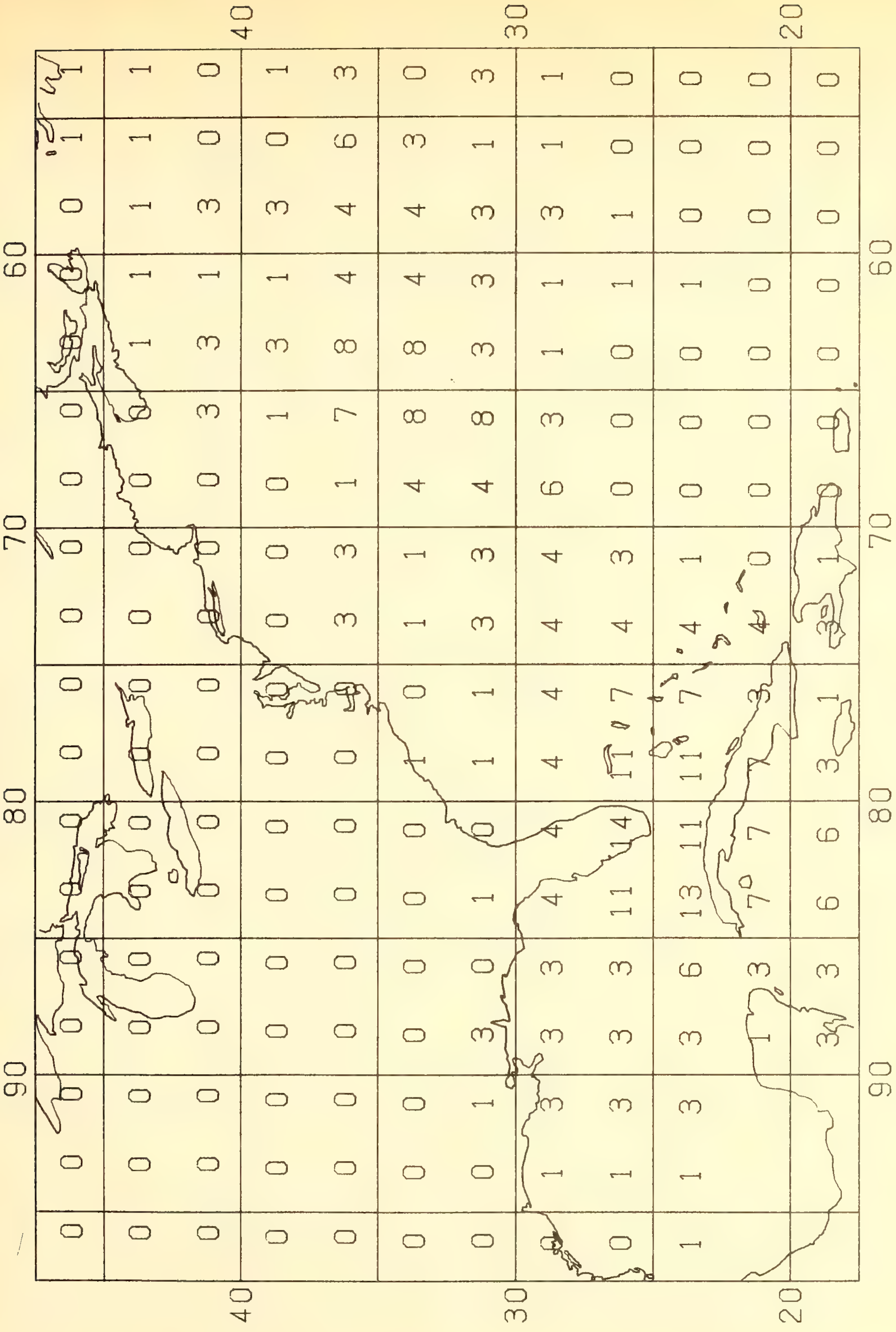


Figure IV-20.--Percent of days with tropical cyclone winds in speed classes (kt), by season, 1899-1969: October to July,100+ kt.

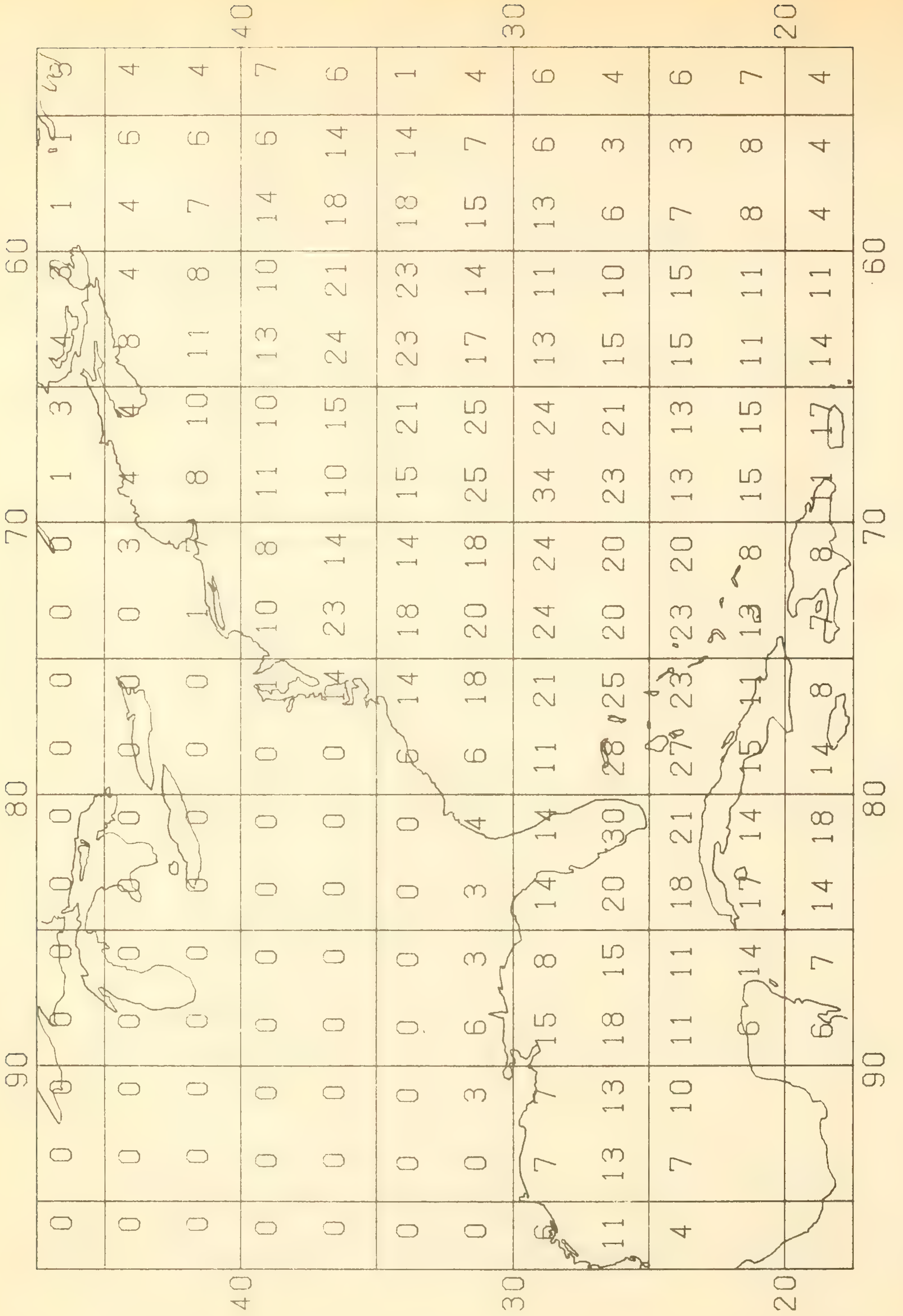
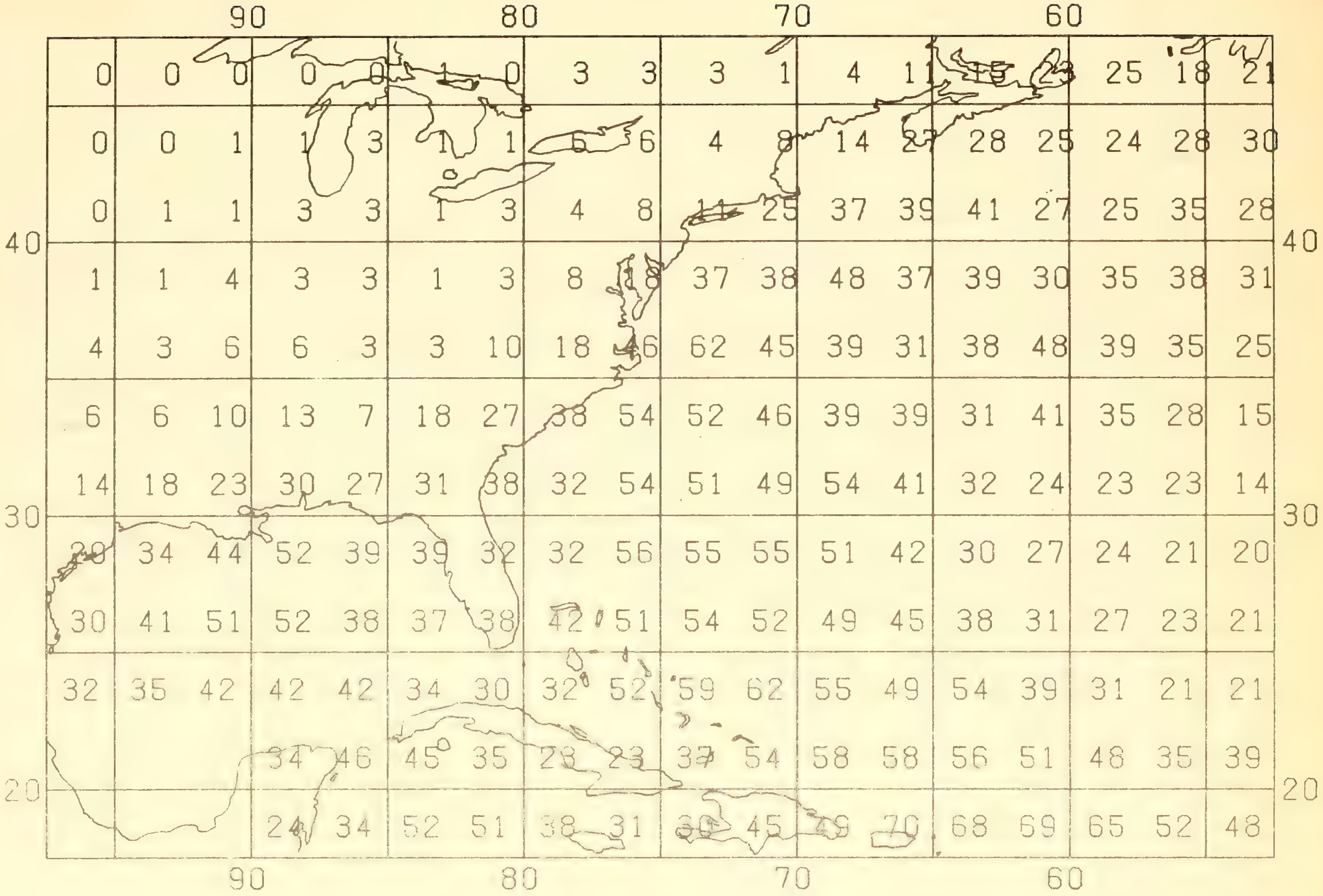
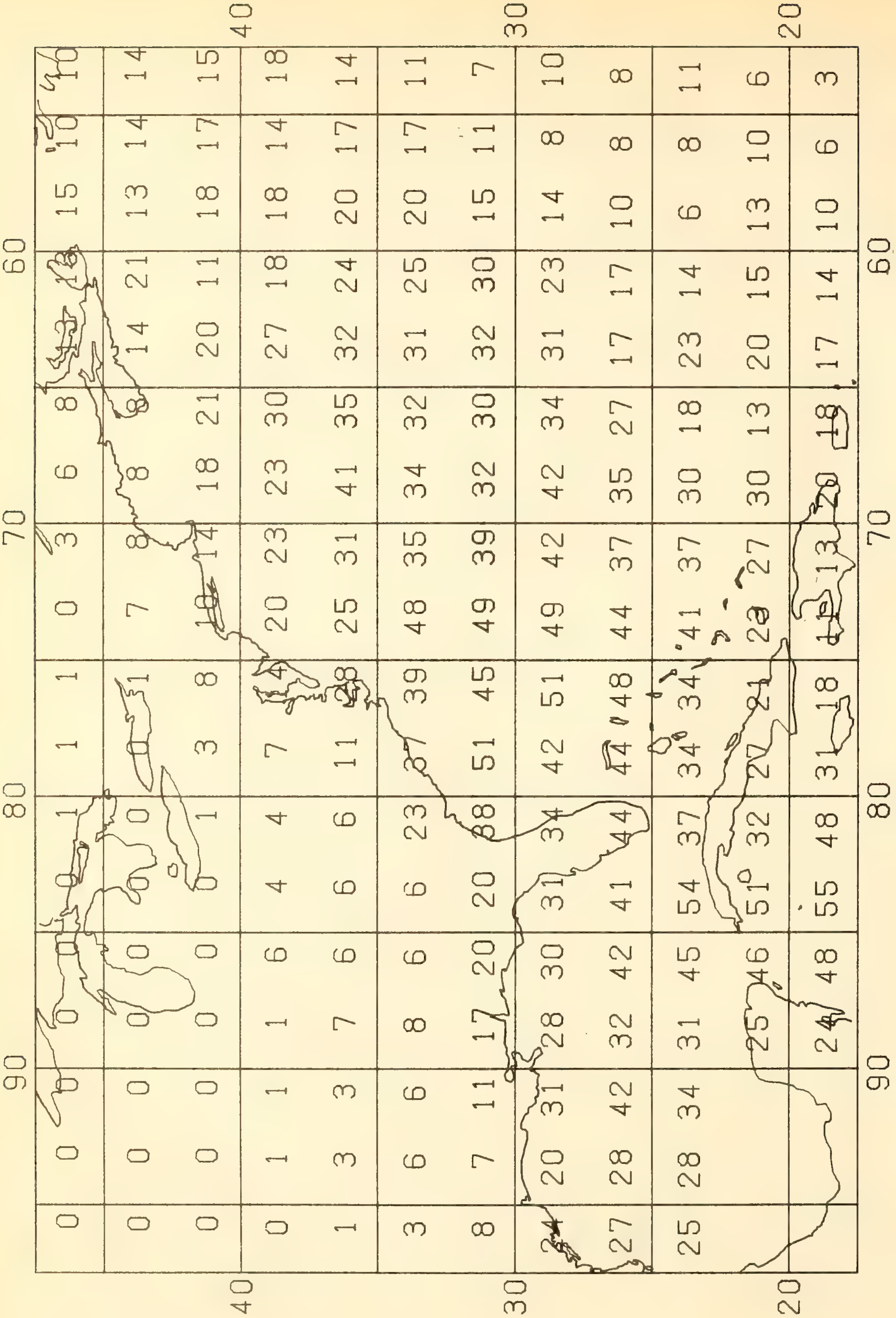


Figure IV-21.--Percent of days with tropical cyclone winds in speed classes (kt), by season, 1899-1969; All months,100+ kt.



0	0	0	0	0	1	0	3	3	3	1	4	11	15	23	25	18	21
0	0	1	1	3	1	1	5	6	4	8	14	27	28	25	24	28	30
0	1	1	3	3	1	3	4	8	11	25	37	39	41	27	25	35	28
1	1	4	3	3	1	3	8	18	37	38	48	37	39	30	35	38	31
4	3	6	6	3	3	10	18	46	62	45	39	31	38	48	39	35	25
6	6	10	13	7	18	27	38	54	52	46	39	39	31	41	35	28	15
14	18	23	30	27	31	38	32	54	51	49	54	41	32	24	23	23	14
29	34	44	52	39	39	32	32	56	55	55	51	42	30	27	24	21	20
30	41	51	52	38	37	38	42	51	54	52	49	45	38	31	27	23	21
32	35	42	42	42	34	30	32	52	59	62	55	49	54	39	31	21	21
			34	46	45	35	23	23	37	54	58	58	56	51	48	35	39
			24	34	52	51	38	31	30	45	49	70	68	69	65	52	48

Figure IV-22.--Percent of days with tropical cyclone winds in speed classes (kt), by season, 1899-1969: August, September,all speeds.



10	14	15	18	14	11	7	10	8	11	6	3
10	14	17	14	17	17	11	8	8	8	10	6
15	13	18	18	20	20	15	14	10	6	13	10
13	21	11	18	24	25	30	23	17	14	15	14
13	14	20	27	32	31	32	31	17	23	20	17
8	8	21	30	35	32	30	34	27	18	13	18
6	8	18	23	41	34	32	42	35	30	30	20
3	8	14	23	31	35	39	42	37	37	27	13
0	7	10	20	25	48	49	49	44	41	23	11
1	1	8	4	38	39	45	51	48	34	21	18
1	0	3	7	11	37	51	42	44	34	27	31
1	0	1	4	6	23	38	34	44	37	32	48
0	0	0	4	6	6	20	31	41	54	51	55
0	0	0	6	6	6	20	30	42	45	46	48
0	0	0	1	7	8	17	28	32	31	25	24
0	0	0	1	3	6	11	31	42	34		
0	0	0	1	3	6	7	20	28	28		
0	0	0	0	1	3	8	24	27	25		

Figure IV-23.--Percent of days with tropical cyclone winds in speed classes (kt), by season, 1899-1969: October to July,all speeds.

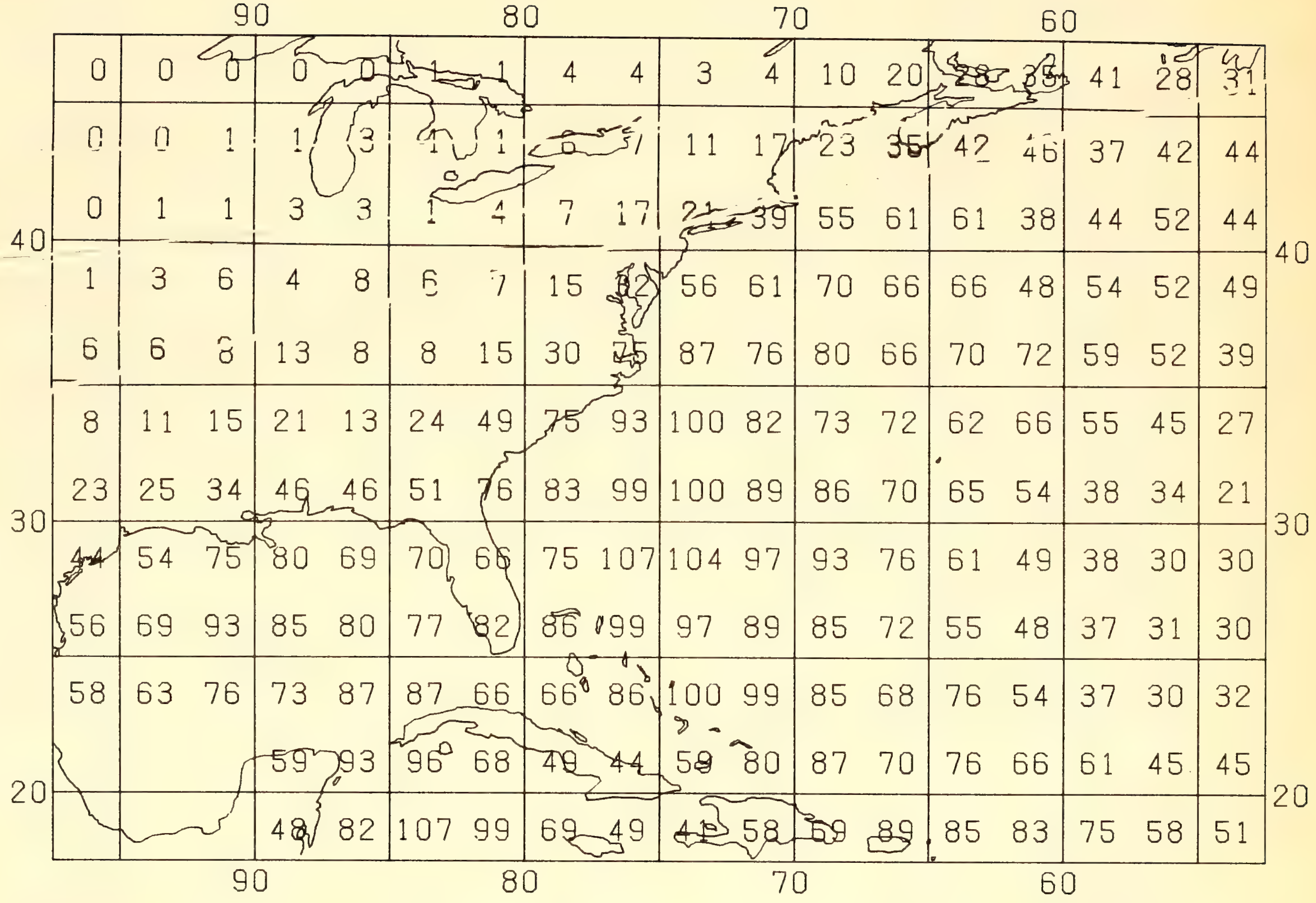


Figure IV-24.--Percent of days with tropical cyclone winds in speed classes (kt), by season, 1899-1969:
All months, all speeds.

Table IV-3.--Maximum winds from tropical cyclones expected for given occurrence interval by 2 1/2° squares

MAXIMUM WINDS FROM TROPICAL CYCLONES EXPECTED FOR GIVEN RECURRENCE INTERVAL, KNOTS 97.5 W TO 82.5 W SHEET 1 OF 3

LONGITUDE...	97.5 W TO 95.0 W				95.0 W TO 92.5 W				92.5 W TO 90.0 W				90.0 W TO 87.5 W				87.5 W TO 85.0 W				85.0 W TO 82.5 W			
YEARS.. .	2	5	10	20	2	5	10	20	2	5	10	20	2	5	10	20	2	5	10	20	2	5	10	20
45.0 TO 47.5N																								
AUG, SEPT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42.5 TO 45.0N																								
AUG, SEPT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.0 TO 42.5N																								
AUG, SEPT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37.5 TO 40.0N																								
AUG, SEPT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	35	0	0	0	45	0	0	0	42
35.0 TO 37.5N																								
AUG, SEPT	0	0	0	32	0	0	0	32	0	0	0	42	0	0	0	42	0	0	0	0	0	0	0	32
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	44	0	0	0	42
TOTAL	0	0	0	38	0	0	0	39	0	0	34	48	0	0	44	52	0	0	0	48	0	0	36	45
32.5 TO 35.0N																								
AUG, SEPT	0	0	0	52	0	0	0	42	0	0	40	55	0	0	46	58	0	0	0	42	0	37	47	52
OCT - JULY	0	0	0	0	0	0	0	42	0	0	32	44	0	0	36	62	0	0	32	42	0	0	0	44
TOTAL	0	0	37	52	0	0	42	49	0	37	53	64	0	42	60	66	0	31	42	52	0	43	50	57
30.0 TO 32.5N																								
AUG, SEPT	0	33	50	64	0	36	48	65	0	43	62	69	0	61	76	95	0	47	75	92	0	49	62	74
OCT - JULY	0	0	0	62	0	0	33	64	0	0	44	65	0	34	46	62	0	40	49	65	0	40	62	69
TOTAL	0	44	64	68	0	45	65	91	0	54	67	92	37	66	89	101	37	64	80	95	40	62	70	95
27.5 TO 30.0N																								
AUG, SEPT	0	39	73	102	0	62	78	102	0	50	80	99	41	78	102	107	0	73	89	102	0	69	89	109
OCT - JULY	0	44	66	77	0	38	50	77	0	46	60	84	0	44	49	67	0	44	50	82	0	48	68	78
TOTAL	0	69	99	102	42	73	95	104	46	75	96	105	48	88	104	107	45	78	96	106	48	76	104	109
25.0 TO 27.5N																								
AUG, SEPT	0	56	101	106	0	72	101	106	35	74	100	106	40	88	104	108	0	74	103	108	0	59	90	114
OCT - JULY	0	46	76	93	0	47	69	92	0	53	79	96	0	45	56	92	0	48	66	85	0	62	101	106
TOTAL	43	91	101	106	48	91	102	107	54	[illegible]	103	108	49	98	105	109	47	89	104	108	51	89	108	117
22.5 TO 25.0N																								
AUG, SEPT	0	53	80	95	0	50	79	102	0	60	93	103	0	70	97	104	0	66	94	102	0	53	85	102
OCT - JULY	0	44	70	92	0	48	79	94	0	46	74	96	0	44	54	92	0	48	69	101	36	74	102	107
TOTAL	41	76	93	99	44	79	96	105	46	89	100	105	47	89	101	106	49	[illegible]	101	106	54	90	105	109
20.0 TO 22.5N																								
AUG, SEPT													0	64	92	99	0	64	102	107	0	75	100	106
OCT - JULY													0	40	50	92	0	56	79	97	36	70	89	103
TOTAL													41	84	96	102	61	96	104	108	64	96	104	108
17.5 TO 20.0N																								
AUG, SEPT													0	44	70	95	0	58	92	99	41	79	98	105
OCT - JULY													0	37	47	74	0	50	75	92	39	76	90	101
TOTAL													0	59	92	104	49	84	97	107	67	96	103	107

Table IV-3.--Continued

MAXIMUM WINDS FROM TROPICAL CYCLONES EXPECTED FOR GIVEN RECURRENCE INTERVAL, KNOTS 82.5 W TO 67.5 W SHEET 2 OF 3

LONGITUDE...	82.5 W TO 80.0 W				80.0 W TO 77.5 W				77.5 W TO 75.0 W				75.0 W TO 72.5 W				72.5 W TO 70.0 W				70.0 W TO 67.5 W			
YEARS.. .	2	5	10	20	2	5	10	20	2	5	10	20	2	5	10	20	2	5	10	20	2	5	10	20
45.0 TO 47.5N																								
AUG, SEPT	0	0	0	0	0	0	0	0	0	0	0	32	0	0	0	32	0	0	0	32	0	0	0	37
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	0	42
TOTAL	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	32	0	0	32	39	0	0	40	64
42.5 TO 45.0N																								
AUG, SEPT	0	0	0	0	0	0	0	42	0	0	0	42	0	0	0	39	0	0	37	92	0	0	69	98
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	0	0	0	44	0	0	0	46
TOTAL	0	0	0	0	0	0	0	42	0	0	0	47	0	0	40	47	0	35	48	92	0	43	69	98
40.0 TO 42.5N																								
AUG, SEPT	0	0	0	0	0	0	0	34	0	0	35	45	0	0	40	67	0	49	93	104	0	84	98	104
OCT - JULY	0	0	0	0	0	0	0	0	0	0	0	46	0	0	0	44	0	0	43	49	0	0	48	65
TOTAL	0	0	0	34	0	0	0	44	0	34	46	62	0	38	47	67	0	68	95	104	43	89	99	104
37.5 TO 40.0N																								
AUG, SEPT	0	0	0	0	0	0	34	45	0	0	47	64	0	79	100	107	0	74	94	106	0	91	102	112
OCT - JULY	0	0	0	0	0	0	0	44	0	0	45	54	0	0	47	55	0	41	49	67	0	42	62	72
TOTAL	0	0	0	44	0	0	44	48	0	46	62	69	43	84	100	107	44	80	97	106	55	93	102	112
35.0 TO 37.5N																								
AUG, SEPT	0	0	40	47	0	38	52	57	0	92	104	108	49	100	108	115	0	79	102	112	0	88	99	106
OCT - JULY	0	0	0	41	0	0	41	46	0	46	63	77	0	46	70	92	0	48	69	95	0	68	84	95
TOTAL	0	34	44	48	0	46	53	59	49	95	104	108	65	102	108	115	53	95	105	112	64	94	100	107
32.5 TO 35.0N																								
AUG, SEPT	0	46	56	63	0	59	70	94	42	95	105	112	42	96	106	112	0	94	103	108	0	91	102	109
OCT - JULY	0	43	54	59	0	52	66	92	0	62	79	91	0	72	90	96	0	60	83	94	0	67	84	98
TOTAL	39	55	61	66	49	68	92	102	65	96	105	112	71	99	107	112	59	97	104	109	61	97	106	114
30.0 TO 32.5N																								
AUG, SEPT	0	61	69	94	0	50	86	98	42	98	107	122	34	93	105	108	32	92	104	108	41	101	107	112
OCT - JULY	0	53	65	72	35	64	80	95	0	73	87	94	0	78	88	96	0	63	83	95	0	69	87	98
TOTAL	49	67	83	97	52	84	96	101	82	99	107	122	74	100	106	109	67	98	106	109	74	103	108	117
27.5 TO 30.0N																								
AUG, SEPT	0	59	99	112	0	49	85	105	44	97	113	125	43	100	113	125	44	99	107	111	41	105	112	119
OCT - JULY	0	57	70	97	0	79	93	99	37	75	92	99	0	59	86	98	0	56	80	97	0	58	86	101
TOTAL	48	89	105	112	51	90	102	107	82	101	116	128	77	103	116	128	66	102	108	114	76	106	112	119
25.0 TO 27.5N																								
AUG, SEPT	0	89	110	134	0	93	113	137	37	96	113	127	39	94	113	125	42	93	107	117	35	102	108	115
OCT - JULY	0	92	103	107	0	84	102	109	0	68	95	107	0	50	70	94	0	48	73	87	0	49	77	91
TOTAL	72	105	113	134	69	106	118	137	67	105	118	132	63	100	115	125	61	99	109	118	66	102	108	115
22.5 TO 25.0N																								
AUG, SEPT	0	50	99	109	0	74	106	132	34	80	110	127	43	86	114	132	47	97	108	118	42	84	105	122
OCT - JULY	0	74	101	106	0	64	102	112	0	46	69	107	0	50	83	97	0	54	74	88	0	47	70	85
TOTAL	47	101	107	114	49	105	116	134	48	103	116	127	59	103	117	132	66	100	110	119	62	91	105	122
20.0 TO 22.5N																								
AUG, SEPT	0	54	89	103	0	39	66	105	0	44	70	106	0	59	79	108	41	84	98	112	43	92	110	122
OCT - JULY	0	50	79	105	0	44	59	104	0	34	54	68	0	42	57	87	0	43	50	82	0	44	66	81
TOTAL	46	86	104	108	0	66	104	108	0	64	102	114	43	73	104	114	48	90	99	112	61	92	110	122
17.5 TO 20.0N																								
AUG, SEPT	32	89	102	106	0	67	101	106	0	56	96	105	0	59	92	99	0	74	93	107	34	76	102	109
OCT - JULY	0	70	88	102	0	48	70	92	0	0	50	68	0	0	34	48	0	0	42	54	0	0	50	67
TOTAL	67	98	105	108	48	89	104	108	0	70	98	108	0	67	96	107	43	78	96	122	47	82	102	109

Table IV-3.--Concluded

MAXIMUM WINDS FROM TROPICAL CYCLONES EXPECTED FOR GIVEN RECURRENCE INTERVAL, KNOTS 67.5 W TO 52.5 W SHEET 3 OF 3

LONGITUDE...	67.5 W TO 65.0 W				65.0 W TO 62.5 W				62.5 W TO 60.0 W				60.0 W TO 57.5 W				57.5 W TO 55.0 W				55.0 W TO 52.5 W			
YEARS.. •	2	5	10	20	2	5	10	20	2	5	10	20	2	5	10	20	2	5	10	20	2	5	10	20
45.0 TO 47.5N																								
AUG, SEPT	0	0	44	87	0	0	69	94	0	49	79	95	0	53	75	87	0	0	69	84	0	42	72	79
OCT - JULY	0	0	0	48	0	0	45	57	0	0	45	62	0	0	48	68	0	0	0	74	0	0	0	67
TOTAL	0	39	69	92	0	50	76	97	0	63	84	96	0	66	84	95	0	62	80	95	0	62	78	96
42.5 TO 45.0N																								
AUG, SEPT	0	66	87	98	0	59	96	103	0	49	80	95	0	47	84	96	0	66	88	98	0	74	86	95
OCT - JULY	0	0	0	48	0	0	50	68	0	42	70	92	0	0	45	92	0	0	47	68	0	0	46	64
TOTAL	0	74	92	99	0	76	98	104	0	75	93	99	0	68	94	99	0	79	94	102	0	80	92	99
40.0 TO 42.5N																								
AUG, SEPT	0	84	96	103	0	89	99	106	0	68	95	107	0	69	94	99	0	86	96	102	0	76	92	99
OCT - JULY	0	41	59	84	0	38	60	84	0	0	54	77	0	0	50	92	0	0	48	67	0	0	64	78
TOTAL	47	90	100	105	48	93	102	107	0	78	98	108	0	89	98	107	42	88	97	102	0	82	94	99
37.5 TO 40.0N																								
AUG, SEPT	0	84	98	108	0	84	100	107	0	72	97	111	0	88	102	109	0	90	97	102	0	86	97	102
OCT - JULY	0	48	75	92	0	59	77	88	0	0	59	85	0	0	50	84	0	0	46	57	0	0	69	84
TOTAL	49	92	100	109	62	93	103	108	0	84	100	111	44	94	105	112	42	91	97	102	0	92	98	104
35.0 TO 37.5N																								
AUG, SEPT	0	76	98	106	0	92	104	108	0	96	105	108	0	95	104	108	0	84	98	105	0	49	94	98
OCT - JULY	0	71	93	103	0	66	89	105	0	47	79	89	0	38	63	87	0	0	50	101	0	0	54	68
TOTAL	62	96	104	108	67	102	107	110	65	101	107	110	52	99	105	109	38	93	103	107	0	84	97	102
32.5 TO 35.0N																								
AUG, SEPT	0	69	103	108	0	78	104	108	0	98	105	109	0	92	104	108	0	78	102	107	0	0	79	92
OCT - JULY	0	59	89	104	0	53	89	105	0	44	79	98	0	38	69	97	0	0	69	92	0	0	49	76
TOTAL	54	101	106	109	48	101	107	110	56	101	107	110	43	98	105	109	0	92	104	108	0	68	85	94
30.0 TO 32.5N																								
AUG, SEPT	0	96	108	122	0	92	103	107	0	56	101	106	0	48	102	106	0	49	92	102	0	0	59	92
OCT - JULY	0	62	86	104	0	63	92	97	0	48	84	96	0	0	69	95	0	0	49	84	0	0	0	72
TOTAL	62	103	109	122	52	98	104	108	42	94	104	108	0	92	104	107	0	82	96	104	0	44	80	98
27.5 TO 30.0N																								
AUG, SEPT	0	101	110	124	0	82	101	106	0	69	90	106	0	64	100	106	0	43	92	99	0	0	74	97
OCT - JULY	0	50	89	97	0	47	70	94	0	41	59	94	0	0	40	74	0	0	0	54	0	0	0	62
TOTAL	61	103	110	124	45	93	102	107	34	84	101	106	0	79	102	107	0	72	95	102	0	50	89	102
25.0 TO 27.5N																								
AUG, SEPT	0	101	109	116	0	92	104	108	0	73	96	105	0	66	88	98	0	44	79	96	0	42	74	97
OCT - JULY	0	43	50	82	0	0	46	74	0	0	45	72	0	0	32	44	0	0	0	44	0	0	0	45
TOTAL	50	101	109	116	43	95	104	108	31	80	100	106	0	73	90	102	0	48	80	96	0	48	74	97
22.5 TO 25.0N																								
AUG, SEPT	35	88	104	122	42	94	104	108	0	86	103	107	0	73	93	104	0	48	79	92	0	38	70	101
OCT - JULY	0	0	47	62	0	41	47	50	0	0	40	49	0	0	0	42	0	0	33	44	0	0	42	47
TOTAL	49	90	104	122	51	95	104	108	37	89	104	107	0	73	93	104	0	54	79	92	0	50	70	101
20.0 TO 22.5N																								
AUG, SEPT	41	86	108	125	42	83	103	117	35	88	102	107	0	77	97	105	0	66	96	104	0	76	95	104
OCT - JULY	0	0	46	65	0	0	45	54	0	0	42	47	0	0	36	45	0	0	34	42	0	0	0	42
TOTAL	48	87	108	125	47	84	103	117	44	88	102	107	41	78	97	105	0	69	96	104	0	76	95	104
17.5 TO 20.0N																								
AUG, SEPT	47	94	107	122	47	93	106	122	45	77	101	106	45	76	94	99	38	68	89	99	0	70	80	97
OCT - JULY	0	0	50	68	0	0	46	54	0	0	36	45	0	0	33	44	0	0	0	34	0	0	0	0
TOTAL	56	94	107	122	50	94	106	122	47	79	101	106	48	76	94	99	43	69	89	99	31	70	80	97

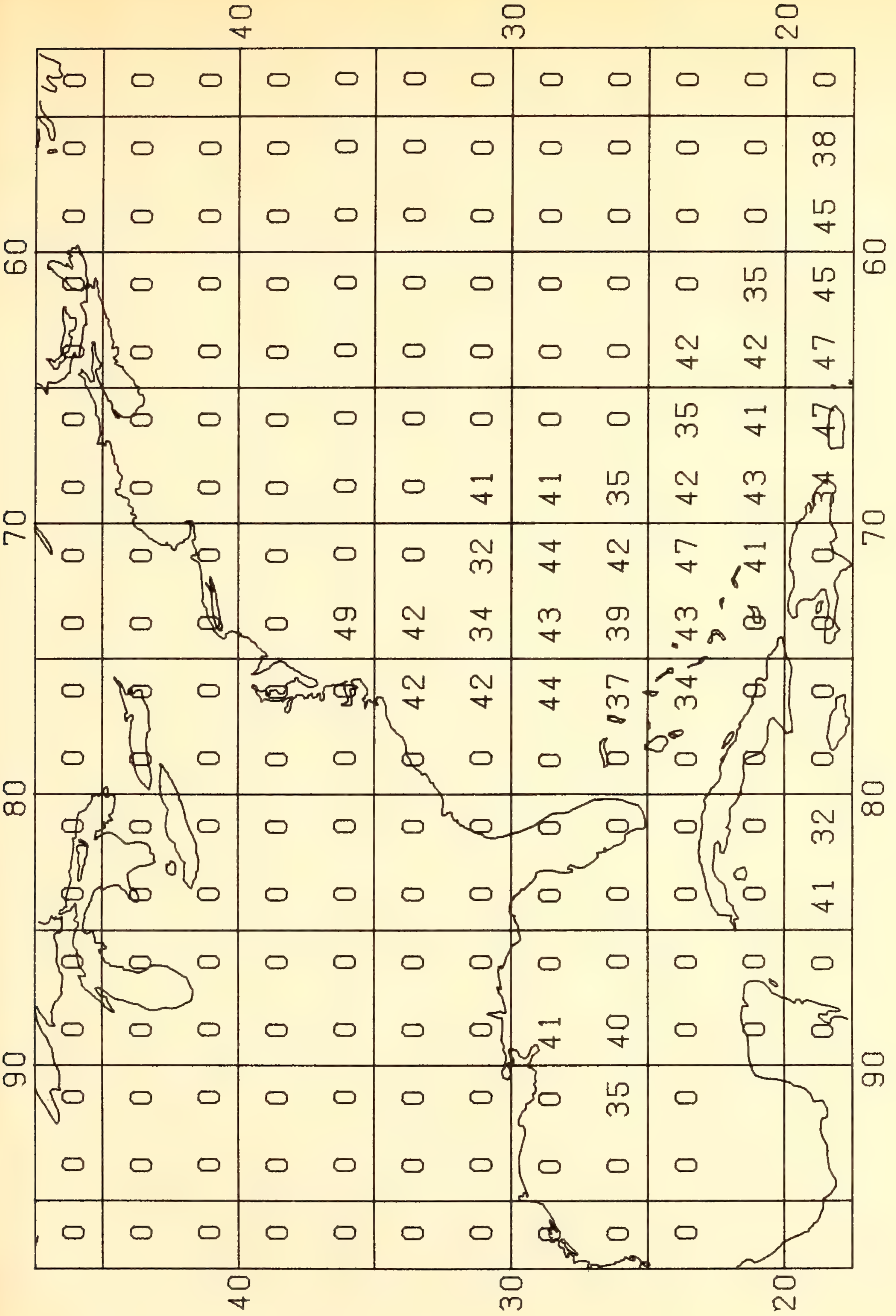


Figure IV-25.--Maximum winds (kt) from tropical cyclones, by recurrence interval and season, 1899-1969, 2-yr, August and September.

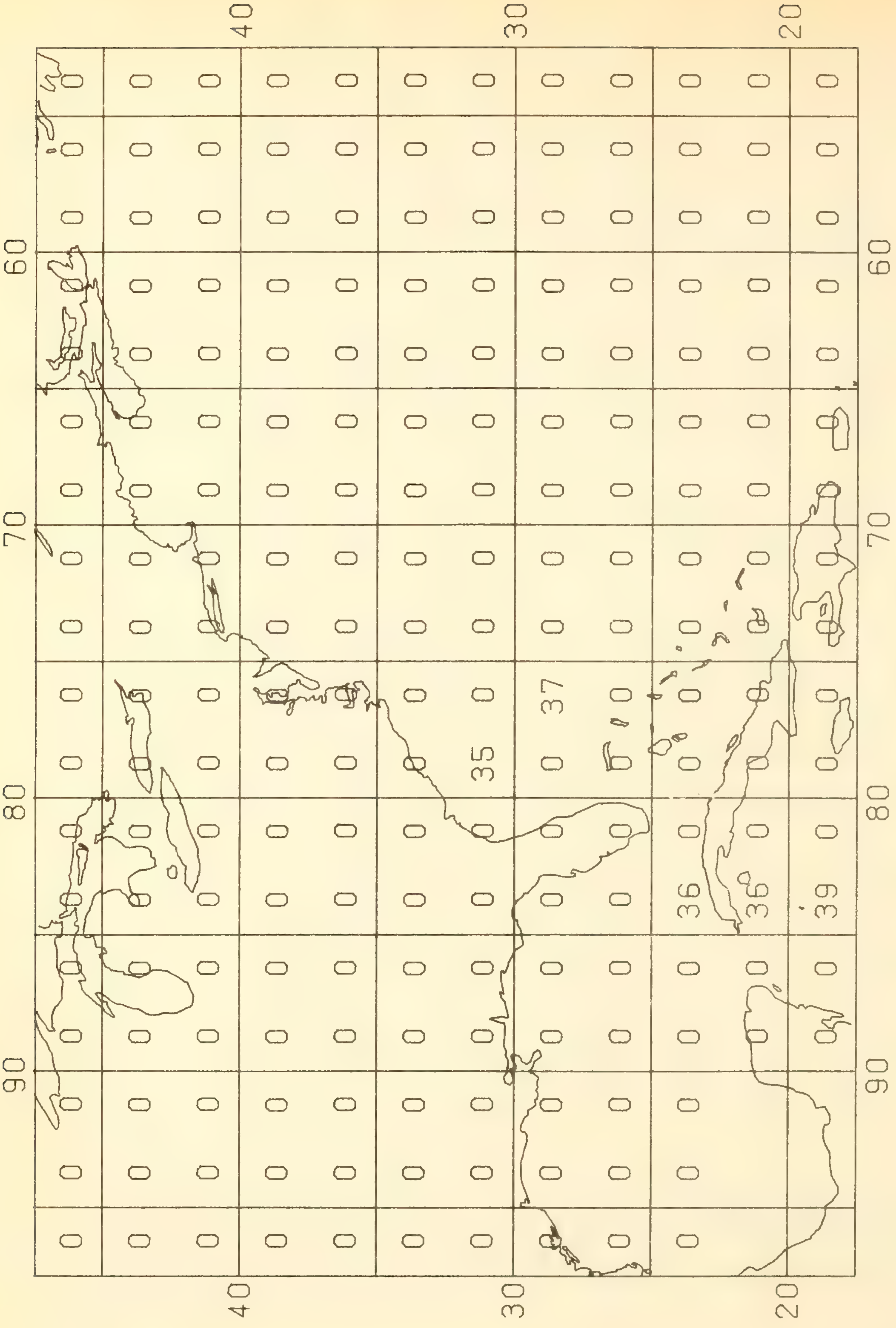


Figure IV-26.--Maximum winds (kt) from tropical cyclones, by recurrence interval and season, 1899-1969, 2-yr, October thru July.

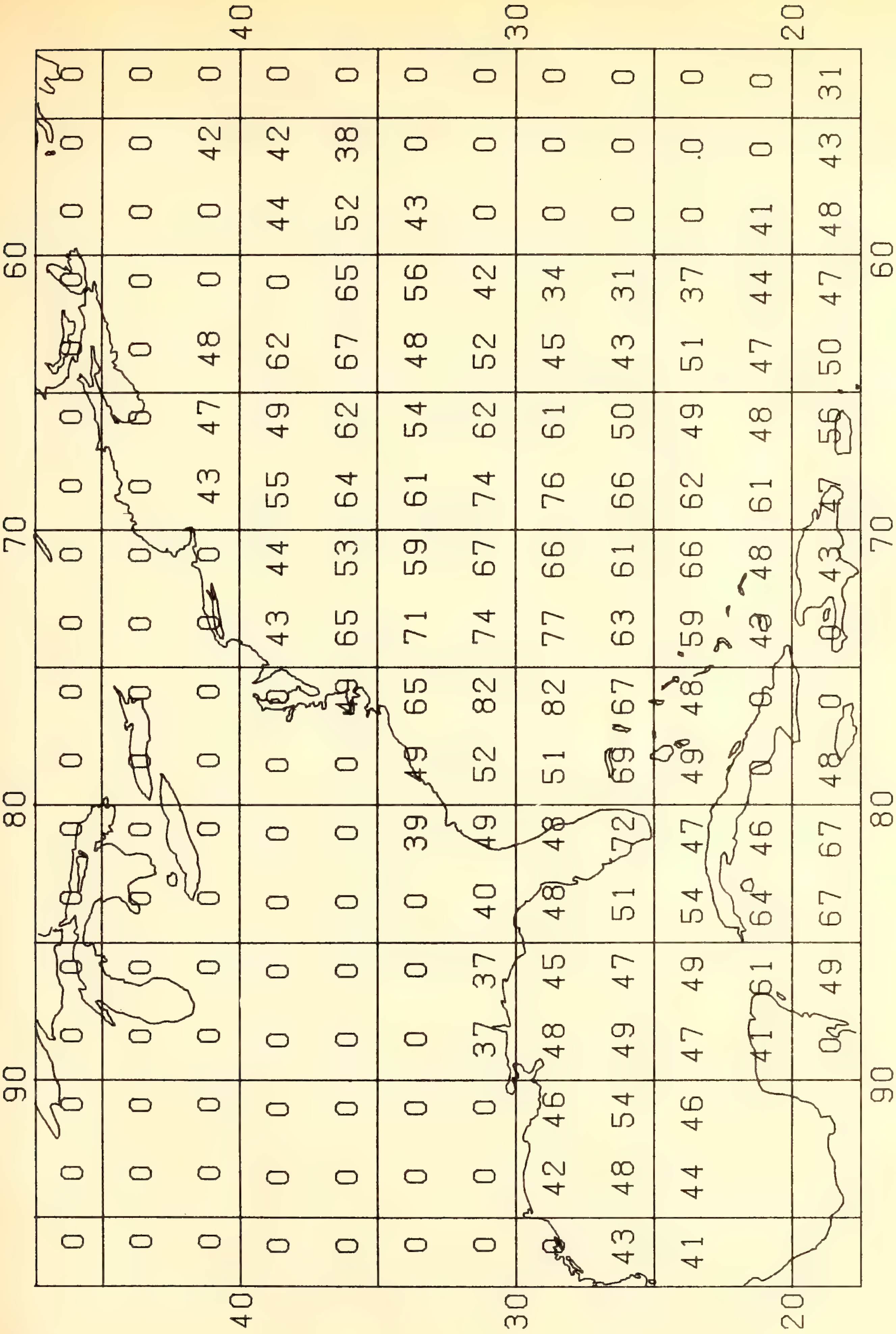


Figure IV-27.--Maximum winds (kt) from tropical cyclones, by recurrence interval and season, 1899-1969, 2-yr, all months.

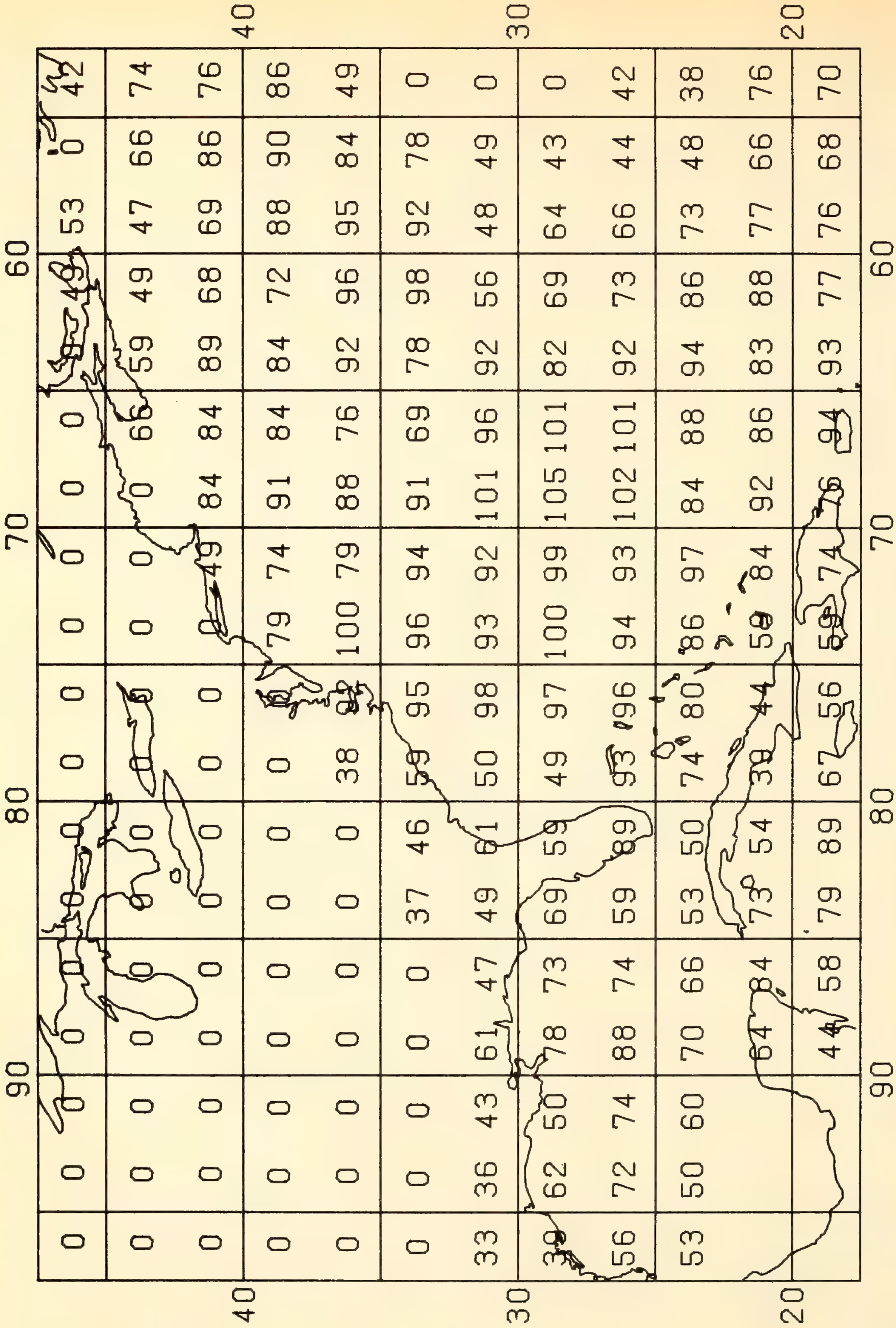


Figure IV-28.--Maximum winds (kt) from tropical cyclones, by recurrence interval and season, 1899-1969, 5-yr, August and September.

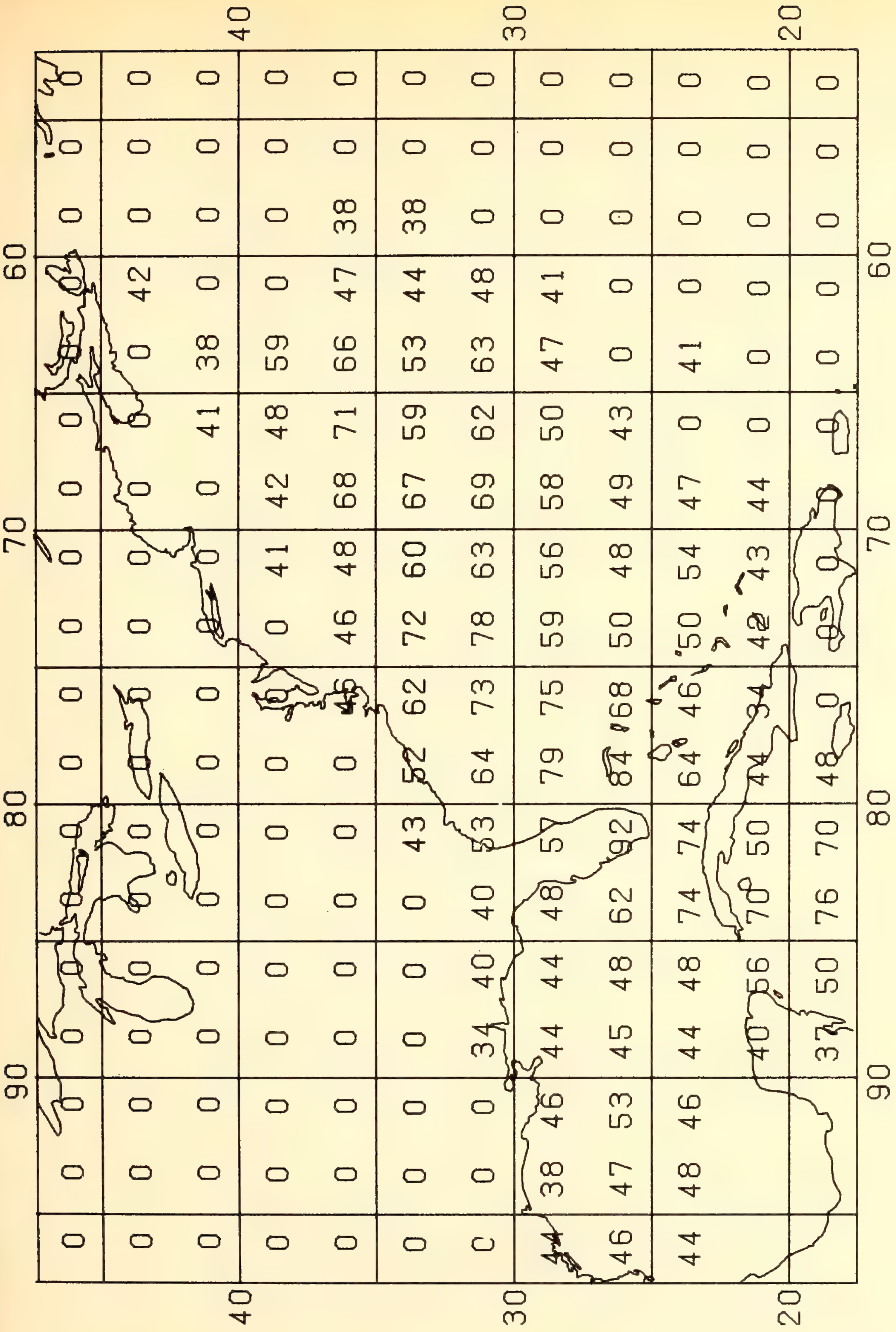


Figure IV-29.--Maximum winds (kt) from tropical cyclones, by recurrence interval and season, 1899-1969, 5-yr, October thru July.

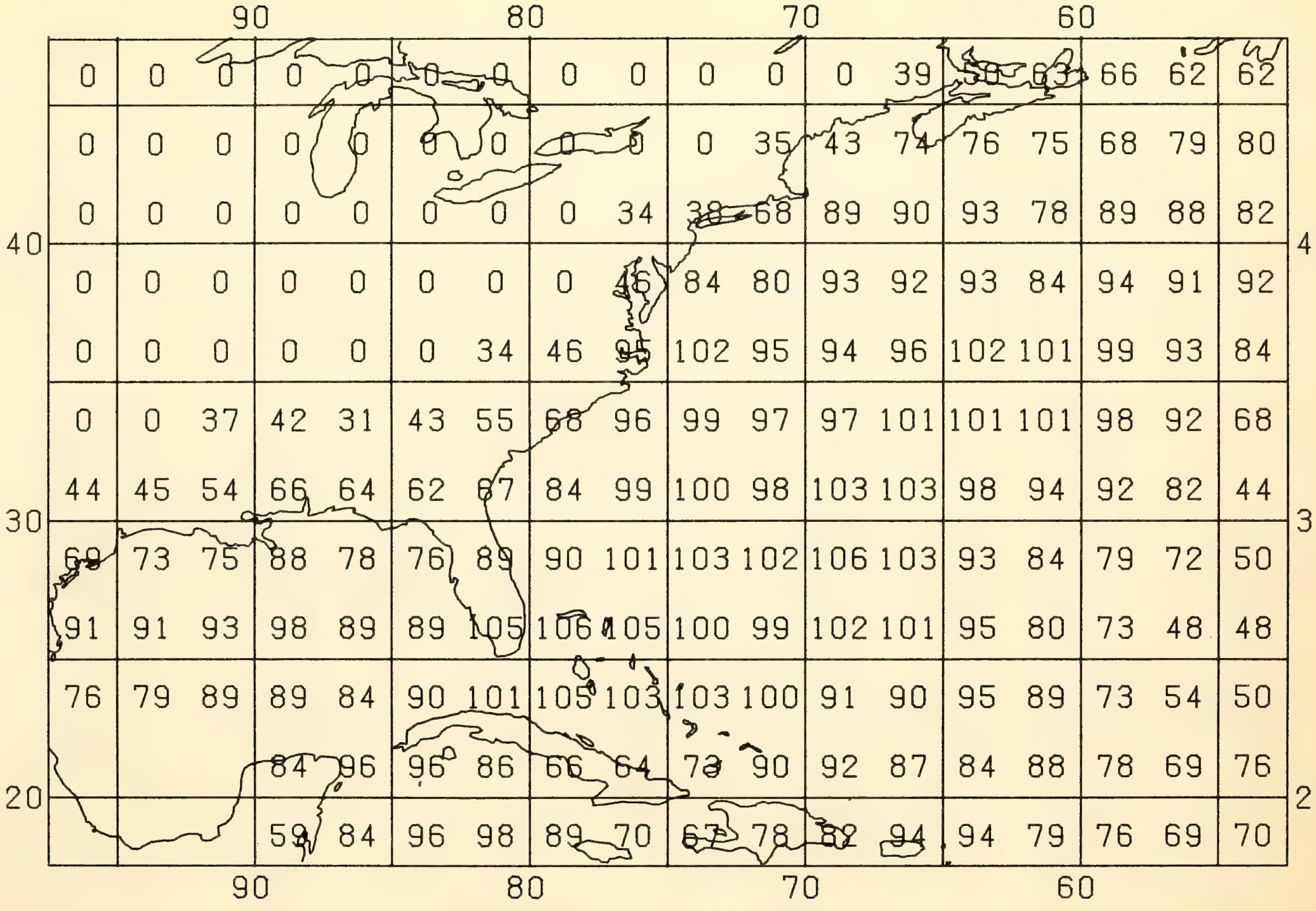


Figure IV-30.--Maximum winds (kt) from tropical cyclones, by recurrence interval and season, 1899-1969, 5-yr, all months.

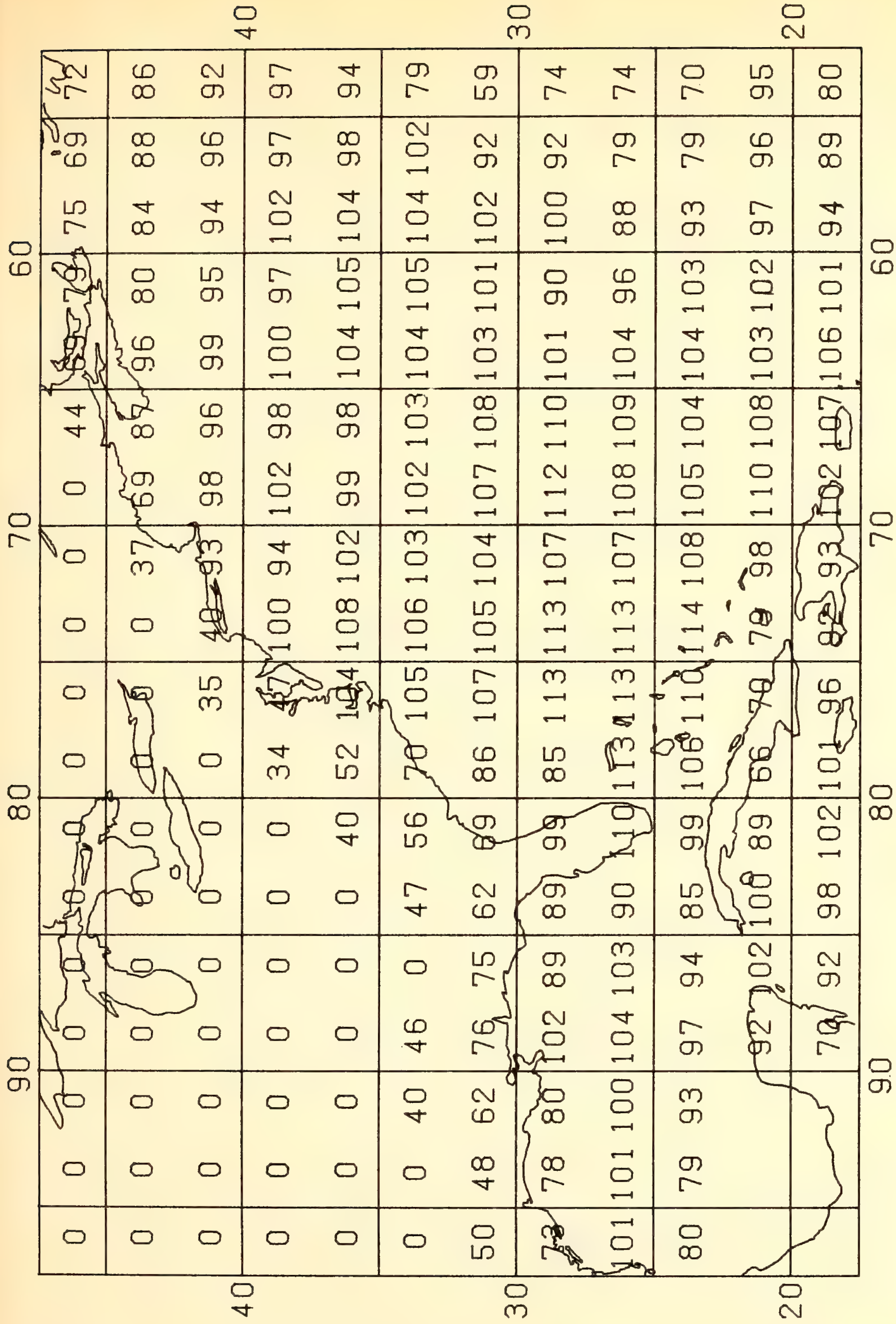


Figure IV-31.--Maximum winds (kt) from tropical cyclones, by recurrence interval and season, 1899-1969, 10-yr, August and September.

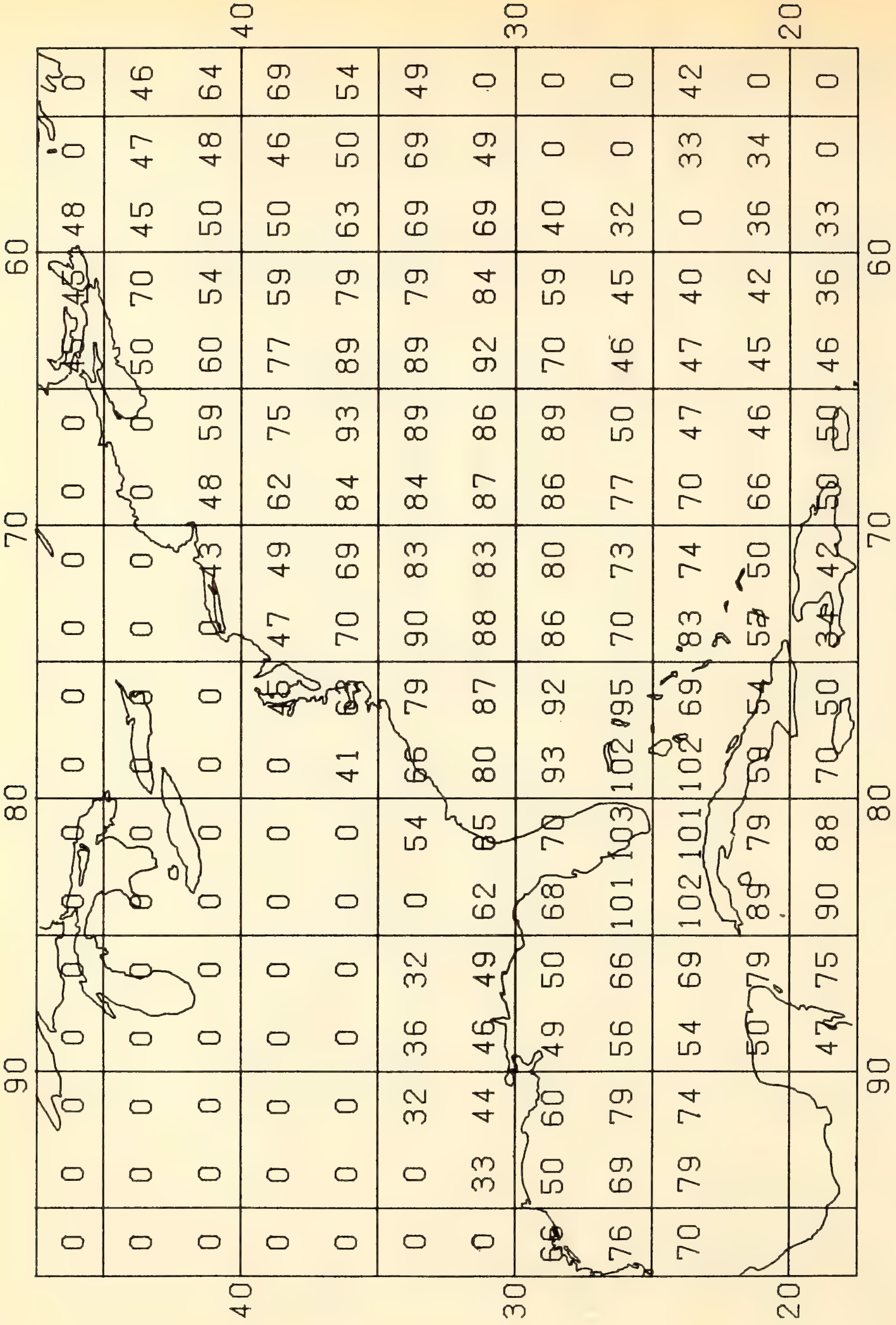
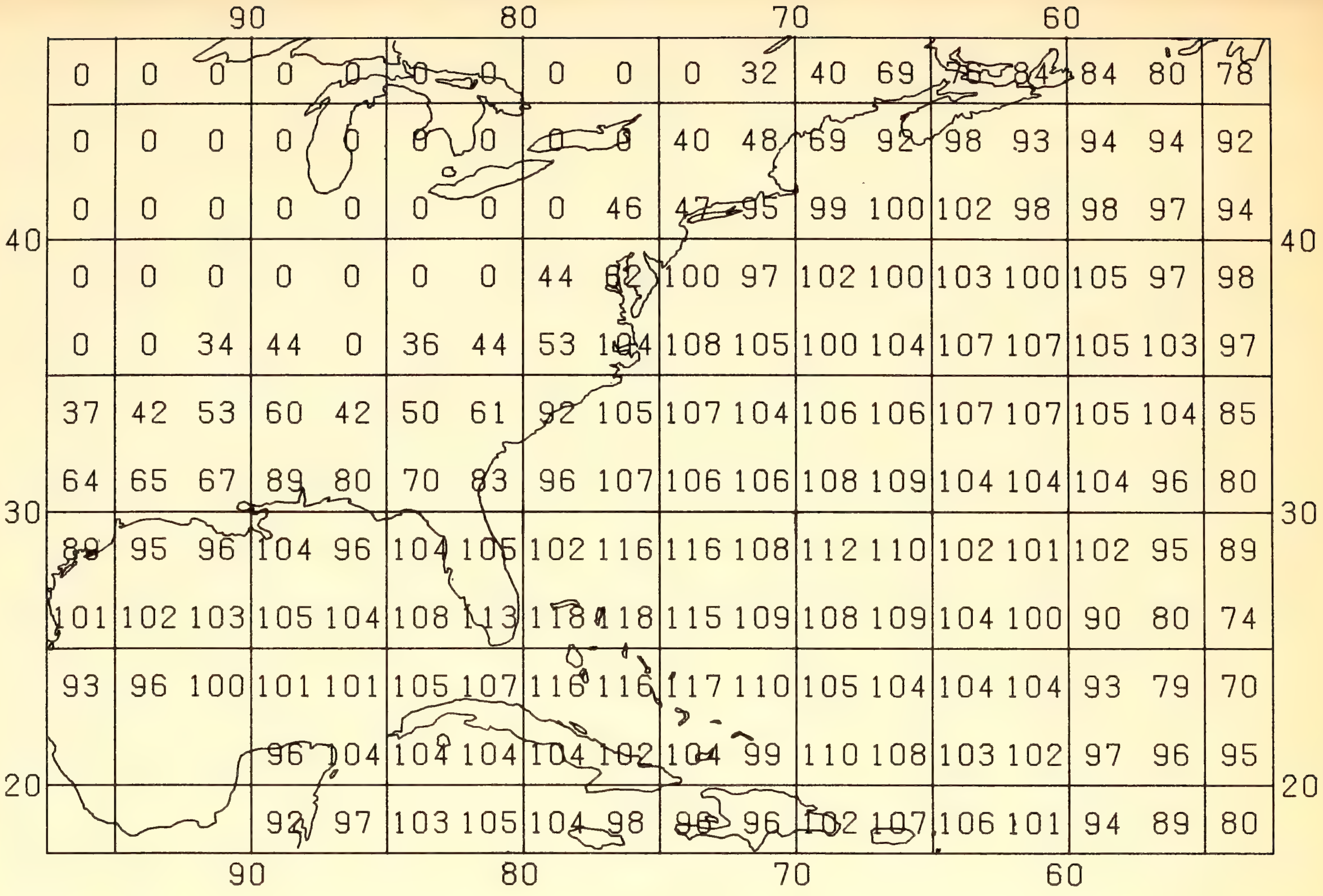


Figure IV-32.--Maximum winds (kt) from tropical cyclones, by recurrence interval and season, 1899-1969, 10-yr, October thru July.



0	0	0	0	0	0	0	0	0	0	32	40	69	78	84	84	80	78
0	0	0	0	0	0	0	0	0	40	48	69	92	98	93	94	94	92
0	0	0	0	0	0	0	0	46	47	95	99	100	102	98	98	97	94
0	0	0	0	0	0	0	44	82	100	97	102	100	103	100	105	97	98
0	0	34	44	0	36	44	53	104	108	105	100	104	107	107	105	103	97
37	42	53	60	42	50	61	92	105	107	104	106	106	107	107	105	104	85
64	65	67	89	80	70	83	96	107	106	106	108	109	104	104	104	96	80
89	95	96	104	96	104	105	102	116	116	108	112	110	102	101	102	95	89
101	102	103	105	104	108	113	118	118	115	109	108	109	104	100	90	80	74
93	96	100	101	101	105	107	116	116	117	110	105	104	104	104	93	79	70
			96	104	104	104	104	102	104	99	110	108	103	102	97	96	95
			92	97	103	105	104	98	96	96	102	107	106	101	94	89	80

Figure IV-33.--Maximum winds (kt) from tropical cyclones, by recurrence interval and season, 1899-1969, 10-yr, all months.

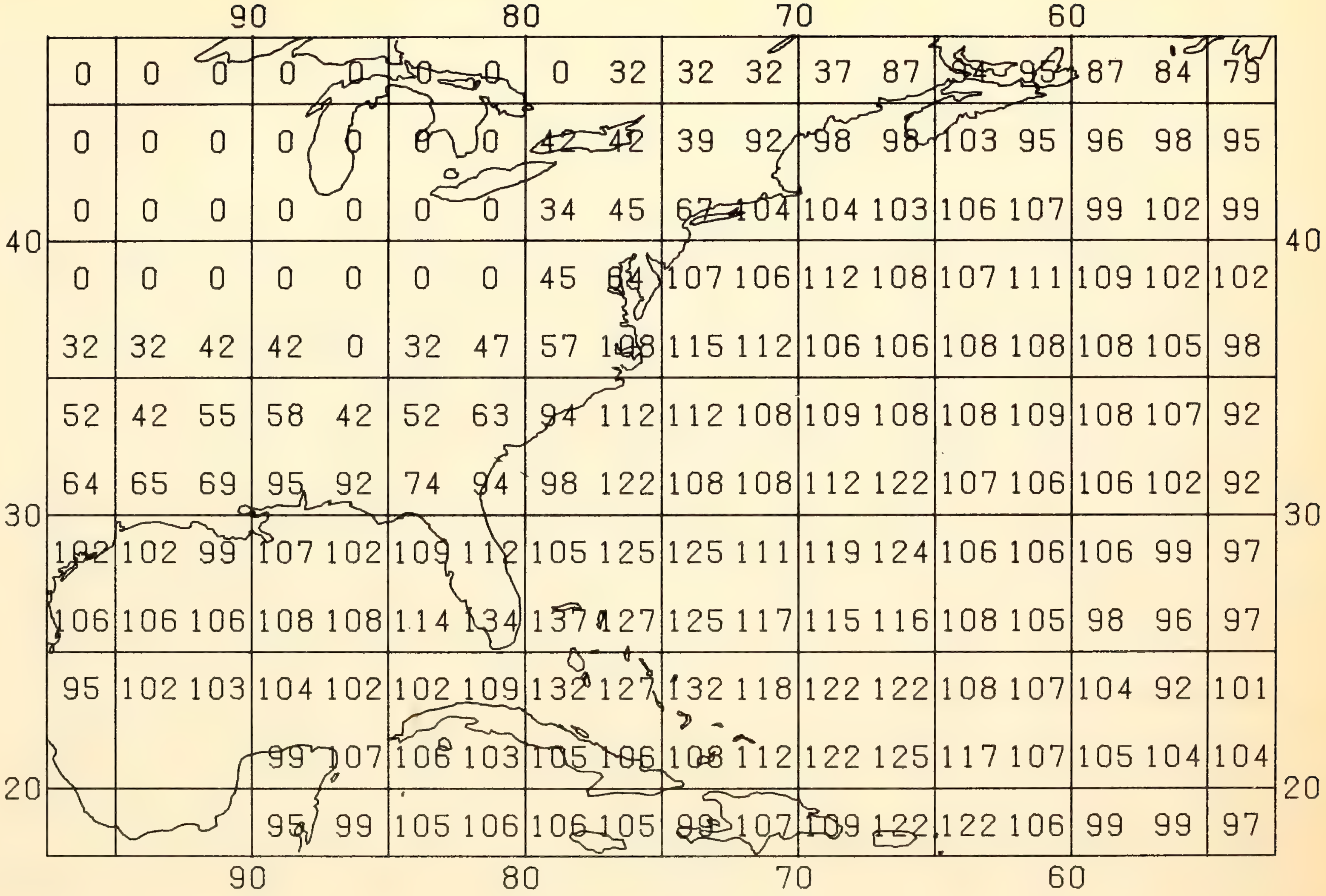


Figure IV-34.--Maximum winds (kt) from tropical cyclones, by recurrence interval and season, 1899-1969, 20-yr, August and September.

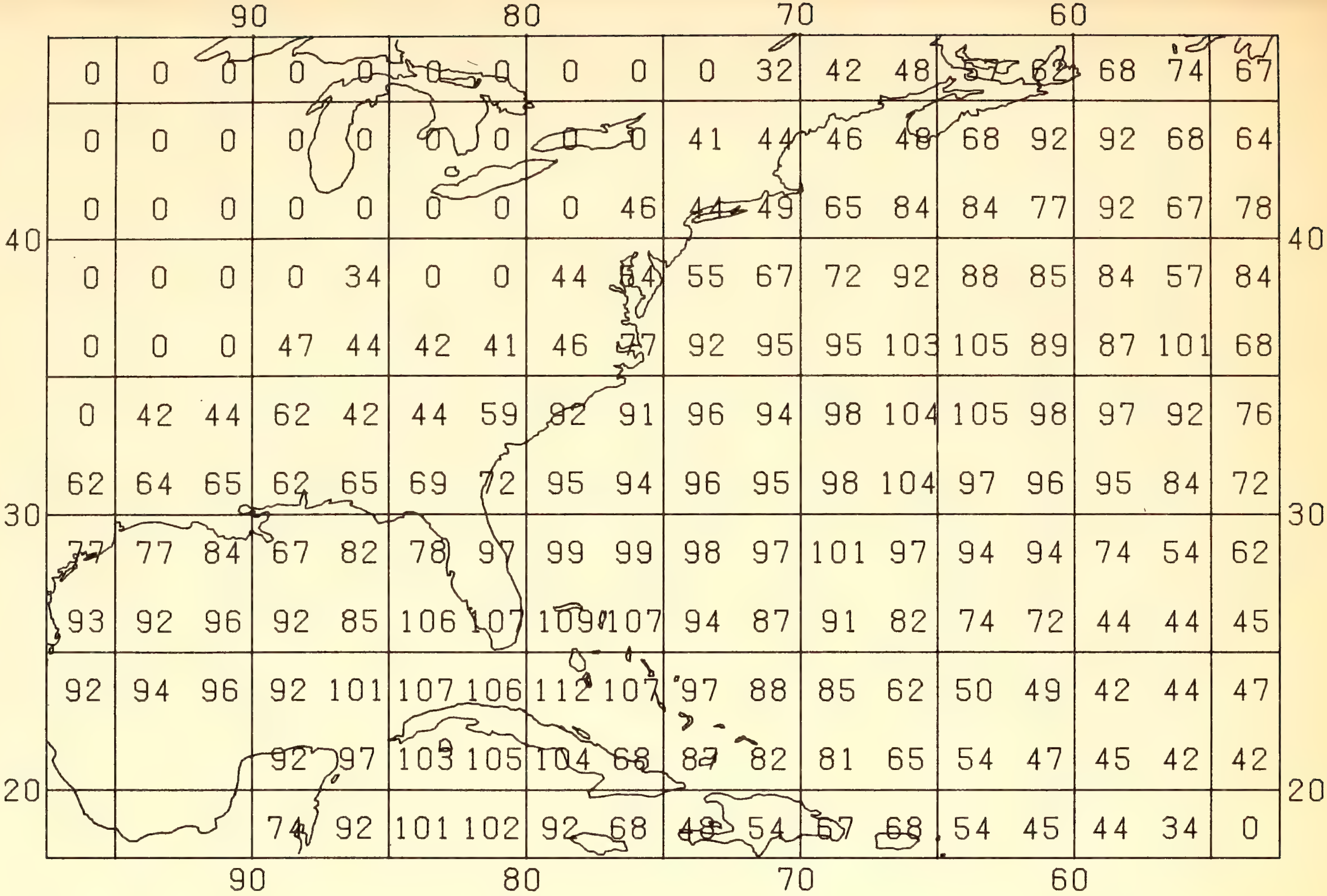


Figure IV-35.--Maximum winds (kt) from tropical cyclones, by recurrence interval and season, 1899-1969, 20-yr, October thru July.

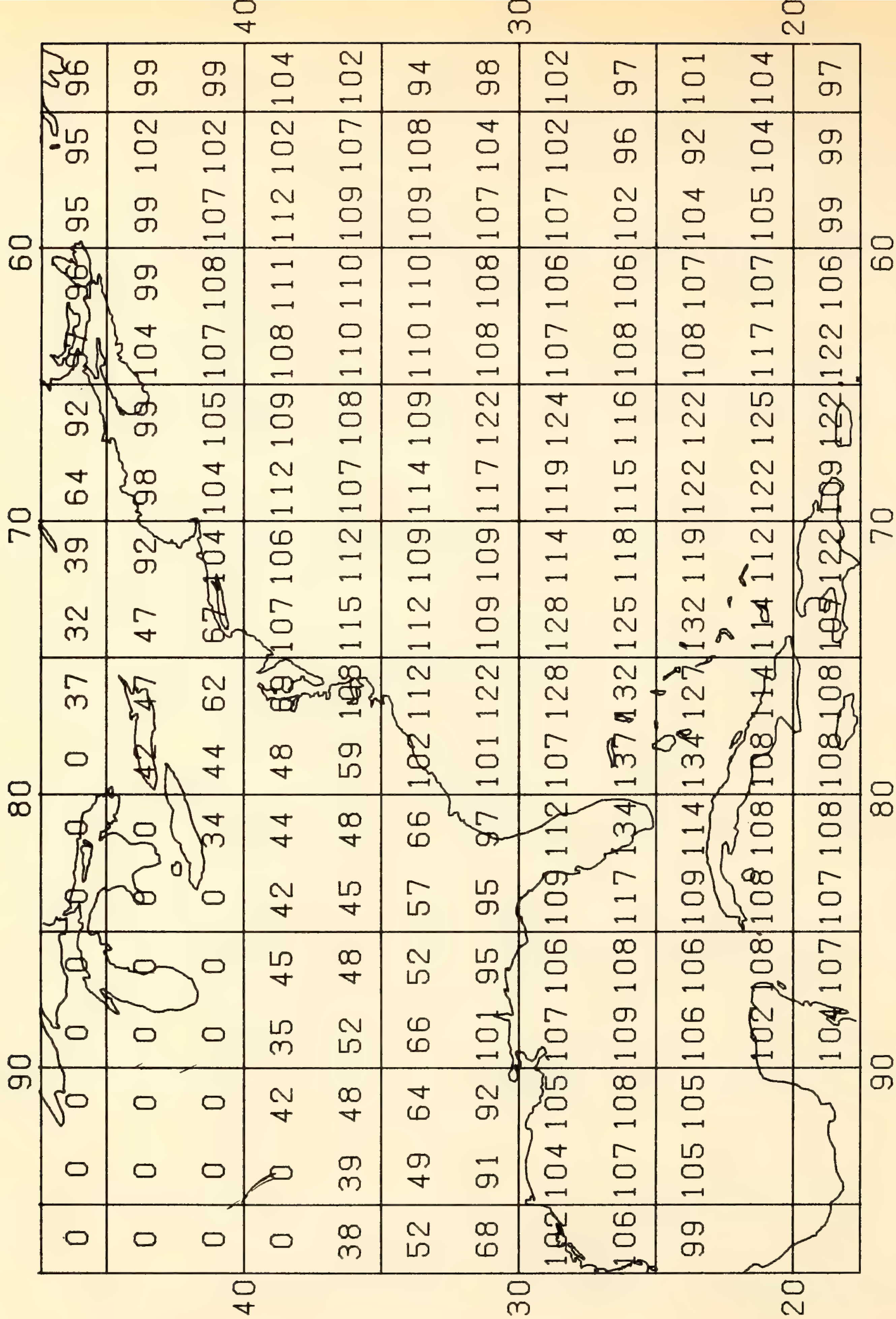


Figure IV-36.--Maximum winds (kt) from tropical cyclones, by recurrence interval and season, 1899-1969, 20-yr, all months.

Table IV-4.--Annual frequency of speeds of tropical cyclone motion, by direction (percent of centers entering 2 1/2° square)

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 95.0 W TO 97.5 W SHEET 1 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...																		NONE
OCT TO JUL...																		NONE
TOTAL...																		NONE
42.5N TO 45.0N																		
AUG AND SEP...																		NONE
OCT TO JUL...																		NONE
TOTAL...																		NONE
40.0N TO 42.5N																		
AUG AND SEP...																		NONE
OCT TO JUL...																		NONE
TOTAL...																		NONE
37.5N TO 40.0N																		
AUG AND SEP...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OCT TO JUL...																		NONE
TOTAL...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
35.0N TO 37.5N																		
AUG AND SEP...	67	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	3
OCT TO JUL...	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL...	75	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	4
32.5N TO 35.0N																		
AUG AND SEP...	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	4
OCT TO JUL...	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TOTAL...	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	6
30.0N TO 32.5N																		
AUG AND SEP...	10	0	0	0	0	0	0	0	0	0	0	0	0	0	20	10	60	10
OCT TO JUL...	50	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	6
TOTAL...	25	6	0	0	0	0	0	0	0	0	0	0	0	0	13	6	50	16
27.5N TO 30.0N																		
AUG AND SEP...	7	0	0	0	0	0	0	0	0	0	0	0	7	0	36	7	43	14
OCT TO JUL...	12	12	0	0	0	0	0	0	0	0	0	0	6	0	24	6	41	17
TOTAL...	10	6	0	0	0	0	0	0	0	0	0	0	6	0	29	6	42	31
25.0N TO 27.5N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	29	0	33	5	33	21
OCT TO JUL...	16	5	0	0	0	0	0	0	0	0	11	0	16	0	26	5	21	19
TOTAL...	8	3	0	0	0	0	0	0	0	0	5	0	23	0	30	5	28	40
22.5N TO 25.0N																		
AUG AND SEP...	0	5	0	0	0	0	0	0	0	0	0	0	24	0	29	5	38	21
OCT TO JUL...	6	6	0	0	0	0	0	0	0	0	12	0	12	0	29	0	35	17
TOTAL...	3	5	0	0	0	0	0	0	0	0	5	0	18	0	29	3	37	38

Table IV-4.--Continued

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 92.5 W TO 95.0 W SHEET 2 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...																		NONE
OCT TO JUL...																		NONE
TOTAL...																		NONE
42.5N TO 45.0N																		
AUG AND SEP...																		NONE
OCT TO JUL...																		NONE
TOTAL...																		NONE
40.0N TO 42.5N																		
AUG AND SEP...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OCT TO JUL...																		NONE
TOTAL...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
37.5N TO 40.0N																		
AUG AND SEP...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OCT TO JUL...	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL...	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	2
35.0N TO 37.5N																		
AUG AND SEP...	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	2
OCT TO JUL...	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TOTAL...	75	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	4
32.5N TO 35.0N																		
AUG AND SEP...	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	50	25	4
OCT TO JUL...	25	0	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25	4
TOTAL...	13	0	13	25	0	0	0	0	0	0	0	0	0	0	0	25	25	8
30.0N TO 32.5N																		
AUG AND SEP...	8	8	8	0	0	0	0	0	0	0	0	0	15	0	15	8	38	13
OCT TO JUL...	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	5
TOTAL...	11	11	6	0	0	0	0	0	0	0	0	0	11	0	11	6	44	18
27.5N TO 30.0N																		
AUG AND SEP...	8	4	0	0	0	0	0	0	0	0	0	0	4	0	38	0	46	24
OCT TO JUL...	14	7	0	7	0	0	0	0	0	0	0	0	21	0	21	7	21	14
TOTAL...	11	5	0	3	0	0	0	0	0	0	0	0	11	0	32	3	37	38
25.0N TO 27.5N																		
AUG AND SEP...	3	7	0	0	0	0	0	0	0	0	0	0	17	0	24	7	41	29
OCT TO JUL...	16	5	0	5	0	0	0	0	0	0	0	0	21	0	26	0	26	19
TOTAL...	8	6	0	2	0	0	0	0	0	0	0	0	19	0	25	4	35	48
22.5N TO 25.0N																		
AUG AND SEP...	8	4	4	0	0	0	0	0	0	0	0	0	28	0	16	8	32	25
OCT TO JUL...	0	0	0	5	0	0	0	0	0	0	10	0	5	0	30	0	50	20
TOTAL...	4	2	2	2	0	0	0	0	0	0	4	0	18	0	22	4	40	45

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 90.0 W TO 92.5 W SHEET 3 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...																		NONE
OCT TO JUL...																		NONE
TOTAL...																		NONE
42.5N TO 45.0N																		
AUG AND SEP...	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	1
OCT TO JUL...																		NONE
TOTAL...	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	1
40.0N TO 42.5N																		
AUG AND SEP...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OCT TO JUL...																		NONE
TOTAL...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
37.5N TO 40.0N																		
AUG AND SEP...	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	33	3
OCT TO JUL...	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL...	25	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	25	4
35.0N TO 37.5N																		
AUG AND SEP...	50	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	4
OCT TO JUL...	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TOTAL...	33	33	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	6
32.5N TO 35.0N																		
AUG AND SEP...	43	14	0	14	0	0	0	0	0	0	0	0	0	0	0	14	14	7
OCT TO JUL...	25	25	0	25	0	0	0	0	0	0	0	0	0	0	25	0	0	4
TOTAL...	36	18	0	18	0	0	0	0	0	0	0	0	0	0	9	9	9	11
30.0N TO 32.5N																		
AUG AND SEP...	25	0	6	0	0	0	0	0	0	0	0	0	19	0	13	19	19	16
OCT TO JUL...	25	25	25	0	0	0	0	0	0	0	0	0	0	0	13	0	13	8
TOTAL...	25	8	13	0	0	0	0	0	0	0	0	0	13	0	13	13	17	24
27.5N TO 30.0N																		
AUG AND SEP...	13	10	3	0	0	0	0	0	0	0	0	0	13	0	19	3	39	31
OCT TO JUL...	23	9	0	5	0	0	0	0	0	0	0	0	14	0	0	9	41	22
TOTAL...	17	9	2	2	0	0	0	0	0	0	0	0	13	0	11	6	40	53
25.0N TO 27.5N																		
AUG AND SEP...	8	3	3	0	0	0	0	0	0	0	0	0	14	0	22	3	47	36
OCT TO JUL...	13	3	7	3	0	0	0	0	0	0	3	0	7	0	10	3	50	30
TOTAL...	11	3	5	2	0	0	0	0	0	0	2	0	11	0	17	3	48	66
22.5N TO 25.0N																		
AUG AND SEP...	11	0	4	0	0	0	0	0	0	0	0	0	11	0	18	7	50	28
OCT TO JUL...	17	0	9	4	0	0	0	0	0	0	4	0	4	0	13	0	48	23
TOTAL...	14	0	6	2	0	0	0	0	0	0	2	0	8	0	16	4	49	51
20.0N TO 22.5N																		
AUG AND SEP...	5	0	5	0	0	0	0	0	0	0	0	0	32	11	26	0	21	19
OCT TO JUL...	10	0	0	0	0	0	0	0	0	0	5	0	20	0	20	0	45	20
TOTAL...	8	0	3	0	0	0	0	0	0	0	3	0	26	5	23	0	33	39
17.5N TO 20.0N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	30	10	40	0	20	10
OCT TO JUL...	0	0	0	0	0	0	0	0	0	0	8	0	31	0	15	0	46	13
TOTAL...	0	0	0	0	0	0	0	0	0	0	4	0	30	4	26	0	35	23

ANNUAL FREQLENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 87.5 W TO 90.0 W SHEET 4 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...																		NONE
OCT TO JUL...																		NONE
TOTAL...																		NONE
42.5N TO 45.0N																		
AUG AND SEP...	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	1
OCT TO JUL...																		NONE
TOTAL...	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	1
40.0N TO 42.5N																		
AUG AND SEP...	0	0	0	50	0	50	0	0	0	0	0	0	0	0	0	0	0	2
OCT TO JUL...																		NONE
TOTAL...	0	0	0	50	0	50	0	0	0	0	0	0	0	0	0	0	0	2
37.5N TO 40.0N																		
AUG AND SEP...	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	50	2
OCT TO JUL...	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL...	0	33	0	33	0	0	0	0	0	0	0	0	0	0	0	0	33	3
35.0N TO 37.5N																		
AUG AND SEP...	50	0	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	4
OCT TO JUL...	0	40	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	5
TOTAL...	22	22	11	44	0	0	0	0	0	0	0	0	0	0	0	0	0	9
32.5N TO 35.0N																		
AUG AND SEP...	56	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	33	9
OCT TO JUL...	17	33	0	33	0	0	0	0	0	0	0	0	0	0	17	0	0	6
TOTAL...	40	13	7	13	0	0	0	0	0	0	0	0	0	0	7	0	20	15
30.0N TO 32.5N																		
AUG AND SEP...	24	0	10	0	5	0	0	0	0	0	0	0	5	0	19	5	33	21
OCT TO JUL...	8	17	25	8	0	0	0	0	0	0	0	0	0	0	8	0	33	12
TOTAL...	18	6	15	3	3	0	0	0	0	0	0	0	3	0	15	3	33	33
27.5N TO 30.0N																		
AUG AND SEP...	11	5	14	0	0	0	0	0	0	0	0	0	3	0	19	3	46	37
OCT TO JUL...	21	5	21	5	0	0	0	0	0	0	0	0	11	5	0	5	26	19
TOTAL...	14	5	16	2	0	0	0	0	0	0	0	0	5	2	13	4	39	56
25.0N TO 27.5N																		
AUG AND SEP...	5	3	8	0	0	0	0	0	0	0	0	0	11	0	30	0	43	37
OCT TO JUL...	9	4	13	9	4	0	0	0	0	0	4	0	0	0	13	9	35	23
TOTAL...	7	3	10	3	2	0	0	0	0	0	2	0	7	0	23	3	40	60
22.5N TO 25.0N																		
AUG AND SEP...	10	0	7	0	0	0	0	0	0	0	0	0	3	0	38	7	34	29
OCT TO JUL...	0	0	15	0	5	0	0	0	0	0	0	0	5	0	40	10	25	20
TOTAL...	6	0	10	0	2	0	0	0	0	0	0	0	4	0	39	8	31	49
20.0N TO 22.5N																		
AUG AND SEP...	4	0	0	0	0	0	0	0	0	0	0	0	21	4	33	8	29	24
OCT TO JUL...	6	0	0	6	0	0	0	0	0	0	0	0	18	6	41	0	24	17
TOTAL...	5	0	0	2	0	0	0	0	0	0	0	0	20	5	37	5	27	41
17.5N TO 20.0N																		
AUG AND SEP...	6	0	0	0	0	0	0	0	0	0	0	0	41	12	18	0	24	17
OCT TO JUL...	7	0	0	0	0	0	0	0	0	0	0	0	27	7	40	0	20	15
TOTAL...	6	0	0	0	0	0	0	0	0	0	0	0	34	9	28	0	22	32

Table IV-4.--Continued

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 85.0 W TO 87.5 W SHEET 5 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...																		NONE
OCT TO JUL...																		NONE
TOTAL...																		NONE
42.5N TO 45.0N																		
AUG AND SEP...	0	0	0	50	0	50	0	0	0	0	0	0	0	0	0	0	0	2
OCT TO JUL...																		NONE
TOTAL...	0	0	0	50	0	50	0	0	0	0	0	0	0	0	0	0	0	2
40.0N TO 42.5N																		
AUG AND SEP...	0	0	0	50	0	50	0	0	0	0	0	0	0	0	0	0	0	2
OCT TO JUL...																		NONE
TOTAL...	0	0	0	50	0	50	0	0	0	0	0	0	0	0	0	0	0	2
37.5N TO 40.0N																		
AUG AND SEP...	0	0	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	2
OCT TO JUL...	0	50	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	4
TOTAL...	0	33	17	50	0	0	0	0	0	0	0	0	0	0	0	0	0	6
35.0N TO 37.5N																		
AUG AND SEP...	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	50	2
OCT TO JUL...	0	25	0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	4
TOTAL...	0	17	17	50	0	0	0	0	0	0	0	0	0	0	0	0	17	6
32.5N TO 35.0N																		
AUG AND SEP...	0	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	40	5
OCT TO JUL...	0	25	25	50	0	0	0	0	0	0	0	0	0	0	0	0	0	4
TOTAL...	0	22	22	33	0	0	0	0	0	0	0	0	0	0	0	0	22	9
30.0N TO 32.5N																		
AUG AND SEP...	16	0	11	11	5	0	0	0	0	0	0	0	5	0	11	0	42	19
OCT TO JUL...	21	7	14	14	0	0	0	0	0	0	0	0	0	0	0	0	43	14
TOTAL...	18	3	12	12	3	0	0	0	0	0	0	0	3	0	6	0	42	33
27.5N TO 30.0N																		
AUG AND SEP...	14	4	11	7	7	4	0	0	0	0	0	0	0	0	7	4	43	28
OCT TO JUL...	29	0	14	10	0	0	0	0	0	0	0	0	10	0	0	0	38	21
TOTAL...	20	2	12	8	4	2	0	0	0	0	0	0	4	0	4	2	41	49
25.0N TO 27.5N																		
AUG AND SEP...	11	7	4	4	0	0	0	0	0	0	0	0	7	4	32	4	29	28
OCT TO JUL...	19	0	8	8	4	0	0	0	0	0	0	0	0	0	15	4	42	26
TOTAL...	15	4	6	6	2	0	0	0	0	0	0	0	4	2	24	4	35	54
22.5N TO 25.0N																		
AUG AND SEP...	7	0	0	0	0	0	0	0	0	0	0	0	11	0	46	4	32	28
OCT TO JUL...	27	3	0	0	0	0	0	0	0	0	3	0	0	0	23	3	40	30
TOTAL...	17	2	0	0	0	0	0	0	0	0	2	0	5	0	34	3	36	58
20.0N TO 22.5N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	9	12	39	6	33	33
OCT TO JUL...	19	3	0	3	0	0	0	0	0	0	0	0	3	3	25	0	44	32
TOTAL...	9	2	0	2	0	0	0	0	0	0	0	0	6	8	32	3	38	65
17.5N TO 20.0N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	39	13	13	9	26	23
OCT TO JUL...	16	0	0	3	0	0	0	0	0	0	3	0	19	3	28	0	28	32
TOTAL...	9	0	0	2	0	0	0	0	0	0	2	0	27	7	22	4	27	55

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 82.5 W TO 85.0 W SHEET 6 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OCT TO JUL...																		NONE
TOTAL...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
42.5N TO 45.0N																		
AUG AND SEP...	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	1
OCT TO JUL...																		NONE
TOTAL...	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	1
40.0N TO 42.5N																		
AUG AND SEP...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OCT TO JUL...																		NONE
TOTAL...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
37.5N TO 40.0N																		
AUG AND SEP...	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OCT TO JUL...	0	0	33	67	0	0	0	0	0	0	0	0	0	0	0	0	0	3
TOTAL...	0	0	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	4
35.0N TO 37.5N																		
AUG AND SEP...	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	2
OCT TO JUL...	0	0	25	75	0	0	0	0	0	0	0	0	0	0	0	0	0	4
TOTAL...	0	17	17	50	0	0	0	0	0	0	0	0	0	0	0	0	17	6
32.5N TO 35.0N																		
AUG AND SEP...	23	8	15	8	8	8	0	0	0	0	0	0	8	0	0	0	23	13
OCT TO JUL...	0	0	75	25	0	0	0	0	0	0	0	0	0	0	0	0	0	4
TOTAL...	18	6	29	12	6	6	0	0	0	0	0	0	6	0	0	0	18	17
30.0N TO 32.5N																		
AUG AND SEP...	23	9	14	9	0	5	0	0	0	0	0	0	5	0	14	0	23	22
OCT TO JUL...	21	7	0	21	0	14	0	0	0	0	0	0	7	0	7	7	14	14
TOTAL...	22	8	8	14	0	8	0	0	0	0	0	0	6	0	11	3	19	36
27.5N TO 30.0N																		
AUG AND SEP...	15	0	0	7	0	4	0	0	0	0	0	0	4	0	19	4	48	27
OCT TO JUL...	5	9	9	18	0	5	0	0	0	0	0	0	5	0	9	14	27	22
TOTAL...	10	4	4	12	0	4	0	0	0	0	0	0	4	0	14	8	39	49
25.0N TO 27.5N																		
AUG AND SEP...	27	0	4	4	0	0	0	0	0	0	0	0	8	0	19	0	38	26
OCT TO JUL...	7	11	25	7	7	0	0	0	0	0	0	0	0	4	14	4	21	28
TOTAL...	17	6	15	6	4	0	0	0	0	0	0	0	4	2	17	2	30	54
22.5N TO 25.0N																		
AUG AND SEP...	18	0	5	0	0	0	0	0	0	0	0	0	14	0	32	0	32	22
OCT TO JUL...	20	3	20	3	3	0	0	0	0	0	0	0	0	3	9	0	40	35
TOTAL...	19	2	14	2	2	0	0	0	0	0	0	0	5	2	18	0	37	57
20.0N TO 22.5N																		
AUG AND SEP...	3	0	0	0	0	0	0	0	0	0	0	0	16	3	39	6	32	31
OCT TO JUL...	11	6	3	0	0	0	0	0	0	0	0	0	0	3	29	0	49	35
TOTAL...	8	3	2	0	0	0	0	0	0	0	0	0	8	3	33	3	41	66
17.5N TO 20.0N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	28	8	28	11	25	36
OCT TO JUL...	16	0	0	0	3	0	0	0	0	0	3	0	5	3	24	3	43	37
TOTAL...	8	0	0	0	1	0	0	0	0	0	1	0	16	5	26	7	34	73

Table IV-4.--Continued

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 80.0 W TO 82.5 W SHEET 7 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...																		NONE
OCT TO JUL...	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL...	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
42.5N TO 45.0N																		
AUG AND SEP...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OCT TO JUL...																		NONE
TOTAL...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
40.0N TO 42.5N																		
AUG AND SEP...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	2
OCT TO JUL...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	3
37.5N TO 40.0N																		
AUG AND SEP...	0	50	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	2
OCT TO JUL...	0	33	0	33	0	33	0	0	0	0	0	0	0	0	0	0	0	3
TOTAL...	0	40	0	40	0	20	0	0	0	0	0	0	0	0	0	0	0	5
35.0N TO 37.5N																		
AUG AND SEP...	29	14	29	29	0	0	0	0	0	0	0	0	0	0	0	0	0	7
OCT TO JUL...	0	0	25	25	0	50	0	0	0	0	0	0	0	0	0	0	0	4
TOTAL...	18	9	27	27	0	18	0	0	0	0	0	0	0	0	0	0	0	11
32.5N TO 35.0N																		
AUG AND SEP...	21	11	21	16	5	5	0	0	0	0	0	0	11	0	5	0	5	19
OCT TO JUL...	0	13	25	31	6	6	0	0	0	0	0	0	0	0	0	0	19	16
TOTAL...	11	11	23	23	6	6	0	0	0	0	0	0	6	0	3	0	11	35
30.0N TO 32.5N																		
AUG AND SEP...	22	4	11	15	0	4	0	0	0	0	0	0	4	0	15	4	22	27
OCT TO JUL...	11	4	22	19	7	7	0	0	0	0	0	0	7	0	11	7	4	27
TOTAL...	17	4	17	17	4	6	0	0	0	0	0	0	6	0	13	6	13	54
27.5N TO 30.0N																		
AUG AND SEP...	13	0	9	9	0	0	0	0	0	0	0	0	0	0	22	9	39	23
OCT TO JUL...	4	8	21	29	0	4	0	0	0	0	0	0	0	0	4	8	21	24
TOTAL...	9	4	15	19	0	2	0	0	0	0	0	0	0	0	13	9	30	47
25.0N TO 27.5N																		
AUG AND SEP...	22	0	4	0	0	0	0	0	0	0	4	0	4	0	26	0	41	27
OCT TO JUL...	10	6	19	16	3	3	0	0	0	0	0	0	3	3	10	0	26	31
TOTAL...	16	3	12	9	2	2	0	0	0	0	2	0	3	2	17	0	33	58
22.5N TO 25.0N																		
AUG AND SEP...	28	0	6	0	0	0	0	0	0	0	0	0	17	0	17	0	33	18
OCT TO JUL...	16	0	32	8	0	0	0	0	0	0	4	0	0	4	12	0	24	25
TOTAL...	21	0	21	5	0	0	0	0	0	0	2	0	7	2	14	0	28	43
20.0N TO 22.5N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	26	0	39	0	35	23
OCT TO JUL...	17	0	4	0	0	0	0	0	0	0	9	0	0	4	17	0	48	23
TOTAL...	9	0	2	0	0	0	0	0	0	0	4	0	13	2	28	0	41	46
17.5N TO 20.0N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	26	11	31	9	23	35
OCT TO JUL...	6	0	3	0	3	0	0	0	0	0	0	0	3	0	22	3	59	32
TOTAL...	3	0	1	0	1	0	0	0	0	0	0	0	15	6	27	6	40	67

Table IV-4.--Continued

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION   77.5 W TO 80.0 W   SHEET 8 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...		NUMBER	
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	50	0	2
OCT TO JUL...	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL...	0	33	0	0	0	33	0	0	0	0	0	0	0	0	0	33	0	3
42.5N TO 45.0N																		
AUG AND SEP...	0	0	0	50	0	25	0	0	0	0	0	0	0	0	0	25	0	4
OCT TO JUL...																		NONE
TOTAL...	0	0	0	50	0	25	0	0	0	0	0	0	0	0	0	25	0	4
40.0N TO 42.5N																		
AUG AND SEP...	0	33	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	3
OCT TO JUL...	0	50	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TOTAL...	0	40	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	5
37.5N TO 40.0N																		
AUG AND SEP...	50	0	17	33	0	0	0	0	0	0	0	0	0	0	0	0	0	6
OCT TO JUL...	0	20	0	40	0	40	0	0	0	0	0	0	0	0	0	0	0	5
TOTAL...	27	9	9	36	0	18	0	0	0	0	0	0	0	0	0	0	0	11
35.0N TO 37.5N																		
AUG AND SEP...	23	8	23	38	0	0	0	0	0	0	0	0	0	0	0	0	8	13
OCT TO JUL...	0	13	25	50	13	0	0	0	0	0	0	0	0	0	0	0	0	8
TOTAL...	14	10	24	43	5	0	0	0	0	0	0	0	0	0	0	0	5	21
32.5N TO 35.0N																		
AUG AND SEP...	11	7	19	30	0	0	0	0	0	0	0	0	4	0	15	0	15	27
OCT TO JUL...	12	4	27	31	8	0	0	0	0	0	0	0	4	0	0	0	15	26
TOTAL...	11	6	23	30	4	0	0	0	0	0	0	0	4	0	8	0	15	53
30.0N TO 32.5N																		
AUG AND SEP...	9	9	17	22	0	0	0	0	0	0	0	0	0	0	22	0	22	23
OCT TO JUL...	12	3	18	29	6	0	0	0	0	0	0	0	6	0	9	3	15	34
TOTAL...	11	5	18	26	4	0	0	0	0	0	0	0	4	0	14	2	18	57
27.5N TO 30.0N																		
AUG AND SEP...	13	4	13	4	0	0	0	0	0	0	0	0	4	0	17	4	39	23
OCT TO JUL...	3	3	24	24	3	3	0	0	0	0	7	0	0	0	7	3	21	29
TOTAL...	8	4	19	15	2	2	0	0	0	0	4	0	2	0	12	4	29	52
25.0N TO 27.5N																		
AUG AND SEP...	10	0	7	0	3	0	0	0	0	0	0	0	3	0	31	3	41	29
OCT TO JUL...	10	0	13	16	6	6	0	0	0	0	3	0	6	3	10	6	19	31
TOTAL...	10	0	10	8	5	3	0	0	0	0	2	0	5	2	20	5	30	60
22.5N TO 25.0N																		
AUG AND SEP...	5	0	9	0	0	0	0	0	0	0	0	0	14	5	32	0	36	22
OCT TO JUL...	8	4	17	17	0	0	0	0	0	0	0	0	4	4	13	4	29	24
TOTAL...	7	2	13	9	0	0	0	0	0	0	0	0	9	4	22	2	33	46
20.0N TO 22.5N																		
AUG AND SEP...	0	0	7	0	0	0	0	0	0	0	0	0	27	7	47	0	13	15
OCT TO JUL...	15	0	5	0	0	5	0	0	0	0	5	0	5	0	0	0	65	20
TOTAL...	9	0	6	0	0	3	0	0	0	0	3	0	14	3	20	0	43	35
17.5N TO 20.0N																		
AUG AND SEP...	0	0	4	0	0	0	0	0	0	0	0	0	32	24	12	8	20	25
OCT TO JUL...	0	0	0	0	5	0	0	0	0	0	0	0	0	5	20	0	70	20
TOTAL...	0	0	2	0	2	0	0	0	0	0	0	0	18	16	16	4	42	45

Table IV-4.--Continued

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 75.0 W TO 77.5 W SHEET 9 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	50	0	2
OCT TO JUL...	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL...	33	0	0	0	0	33	0	0	0	0	0	0	0	0	0	33	0	3
42.5N TO 45.0N																		
AUG AND SEP...	0	25	0	0	0	25	0	0	0	0	0	0	0	0	0	50	0	4
OCT TO JUL...	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL...	20	20	0	0	0	20	0	0	0	0	0	0	0	0	0	40	0	5
40.0N TO 42.5N																		
AUG AND SEP...	0	33	17	33	0	0	0	0	0	0	0	0	0	0	17	0	0	6
OCT TO JUL...	0	33	0	50	0	17	0	0	0	0	0	0	0	0	0	0	0	6
TOTAL...	0	33	8	42	0	8	0	0	0	0	0	0	0	0	8	0	0	12
37.5N TO 40.0N																		
AUG AND SEP...	23	0	23	38	0	0	0	0	0	0	8	0	0	0	8	0	0	13
OCT TO JUL...	0	30	0	40	0	20	0	0	0	0	0	0	0	0	10	0	0	10
TOTAL...	13	13	13	39	0	9	0	0	0	0	4	0	0	0	9	0	0	23
35.0N TO 37.5N																		
AUG AND SEP...	6	6	9	45	3	0	0	0	0	0	3	0	0	0	3	0	24	33
OCT TO JUL...	5	10	10	45	5	5	0	0	0	0	0	0	0	0	5	0	15	20
TOTAL...	6	8	9	45	4	2	0	0	0	0	2	0	0	0	4	0	21	53
32.5N TO 35.0N																		
AUG AND SEP...	13	11	11	29	0	0	0	0	0	0	0	0	3	0	8	0	26	38
OCT TO JUL...	7	4	21	29	4	4	0	0	0	0	4	0	4	0	4	0	21	28
TOTAL...	11	8	15	29	2	2	0	0	0	0	2	0	3	0	6	0	24	66
30.0N TO 32.5N																		
AUG AND SEP...	18	5	11	8	0	0	0	0	0	0	0	0	0	0	18	0	39	38
OCT TO JUL...	3	6	3	31	6	0	0	0	0	0	6	3	6	0	6	3	25	32
TOTAL...	11	6	7	19	3	0	0	0	0	0	3	1	3	0	13	1	33	70
27.5N TO 30.0N																		
AUG AND SEP...	10	5	7	10	0	0	0	0	0	0	0	0	2	0	29	2	34	41
OCT TO JUL...	9	6	11	23	3	9	0	0	0	0	6	3	3	0	6	6	17	35
TOTAL...	9	5	9	16	1	4	0	0	0	0	3	1	3	0	18	4	26	76
25.0N TO 27.5N																		
AUG AND SEP...	6	0	6	3	0	0	0	0	0	0	0	0	0	3	31	6	47	36
OCT TO JUL...	6	3	13	13	6	6	0	0	0	0	3	3	0	3	13	9	22	32
TOTAL...	6	1	9	7	3	3	0	0	0	0	1	1	0	3	22	7	35	68
22.5N TO 25.0N																		
AUG AND SEP...	6	0	6	0	0	0	0	0	0	0	0	0	9	6	34	6	34	35
OCT TO JUL...	9	0	17	17	4	0	0	0	0	0	0	0	4	4	22	4	17	23
TOTAL...	7	0	10	7	2	0	0	0	0	0	0	0	7	5	29	5	28	58
20.0N TO 22.5N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	27	7	40	7	20	15
OCT TO JUL...	14	0	7	7	0	7	0	0	0	0	0	0	7	0	7	7	43	14
TOTAL...	7	0	3	3	0	3	0	0	0	0	0	0	17	3	24	7	31	29
17.5N TO 20.0N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	50	14	14	14	9	22
OCT TO JUL...	8	0	8	0	0	8	0	0	0	0	0	0	8	8	8	0	50	12
TOTAL...	3	0	3	0	0	3	0	0	0	0	0	0	35	12	12	9	24.	34

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 72.5 W TO 75.0 W SHEET 10 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	50	0	2
OCT TO JUL...																		NONE
TOTAL...	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	50	0	2
42.5N TO 45.0N																		
AUG AND SEP...	0	67	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	3
OCT TO JUL...	0	20	0	60	0	20	0	0	0	0	0	0	0	0	0	0	0	5
TOTAL...	0	38	0	38	0	25	0	0	0	0	0	0	0	0	0	0	0	8
40.0N TO 42.5N																		
AUG AND SEP...	0	25	25	38	0	0	0	0	0	0	0	0	0	0	13	0	0	8
OCT TO JUL...	14	0	0	57	0	29	0	0	0	0	0	0	0	0	0	0	0	7
TOTAL...	7	13	13	47	0	13	0	0	0	0	0	0	0	0	7	0	0	15
37.5N TO 40.0N																		
AUG AND SEP...	8	15	19	46	0	4	0	0	0	0	0	0	4	0	0	0	4	26
OCT TO JUL...	14	0	7	43	0	21	0	0	0	0	0	0	0	0	7	0	7	14
TOTAL...	10	10	15	45	0	10	0	0	0	0	0	0	3	0	3	0	5	40
35.0N TO 37.5N																		
AUG AND SEP...	5	18	16	41	5	0	0	0	0	0	0	0	0	0	2	0	14	44
OCT TO JUL...	11	17	6	28	17	6	0	0	0	0	0	0	0	0	0	0	17	18
TOTAL...	6	18	13	37	8	2	0	0	0	0	0	0	0	0	2	0	15	62
32.5N TO 35.0N																		
AUG AND SEP...	16	8	5	38	0	0	0	0	0	0	0	0	3	0	14	0	16	37
OCT TO JUL...	6	12	12	24	9	3	0	0	0	0	0	0	9	0	6	0	21	34
TOTAL...	11	10	8	31	4	1	0	0	0	0	0	0	6	0	10	0	18	71
30.0N TO 32.5N																		
AUG AND SEP...	11	6	14	14	0	0	0	0	0	0	0	0	3	0	22	0	31	36
OCT TO JUL...	14	3	11	26	3	0	3	0	0	0	3	3	9	0	9	0	17	35
TOTAL...	13	4	13	20	1	0	1	0	0	0	1	1	6	0	15	0	24	71
27.5N TO 30.0N																		
AUG AND SEP...	8	3	8	5	3	0	0	0	0	0	0	0	3	0	23	3	46	39
OCT TO JUL...	17	9	9	23	3	6	3	0	0	0	0	3	3	0	6	6	14	35
TOTAL...	12	5	8	14	3	3	1	0	0	0	0	1	3	0	15	4	31	74
25.0N TO 27.5N																		
AUG AND SEP...	6	0	6	0	0	0	0	0	0	0	0	0	9	6	37	6	31	35
OCT TO JUL...	17	10	0	17	7	7	3	0	0	0	0	3	0	0	13	7	17	30
TOTAL...	11	5	3	8	3	3	2	0	0	0	0	2	5	3	26	6	25	65
22.5N TO 25.0N																		
AUG AND SEP...	3	0	5	0	0	0	0	0	0	0	0	0	15	3	43	10	23	40
OCT TO JUL...	8	0	8	15	4	0	0	0	0	0	0	0	4	0	31	12	19	26
TOTAL...	5	0	6	6	2	0	0	0	0	0	0	0	11	2	38	11	21	66
20.0N TO 22.5N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	22	9	43	4	22	23
OCT TO JUL...	0	0	7	7	0	7	0	0	0	0	0	0	0	0	27	20	33	15
TOTAL...	0	0	3	3	0	3	0	0	0	0	0	0	13	5	37	11	26	38
17.5N TO 20.0N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	55	20	15	5	5	20
OCT TO JUL...	0	0	29	0	0	0	0	0	0	0	0	0	14	14	14	14	14	7
TOTAL...	0	0	7	0	0	0	0	0	0	0	0	0	44	19	15	7	7	27

Table IV-4.--Continued

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 70.0 W TO 72.5 W SHEET 11 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OCT TO JUL...	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TOTAL...	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
42.5N TO 45.0N																		
AUG AND SEP...	17	17	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	6
OCT TO JUL...	0	17	0	50	0	17	0	0	0	0	0	0	0	0	17	0	0	6
TOTAL...	8	17	0	58	0	8	0	0	0	0	0	0	0	0	8	0	0	12
40.0N TO 42.5N																		
AUG AND SEP...	0	6	17	72	6	0	0	0	0	0	0	0	0	0	0	0	0	18
OCT TO JUL...	0	10	40	30	0	10	0	0	0	0	0	0	0	0	10	0	0	10
TOTAL...	0	7	25	57	4	4	0	0	0	0	0	0	0	0	4	0	0	28
37.5N TO 40.0N																		
AUG AND SEP...	7	11	19	48	0	4	0	0	0	0	0	0	4	0	0	0	7	27
OCT TO JUL...	6	0	19	44	0	19	0	0	0	0	0	0	0	0	6	0	6	16
TOTAL...	7	7	19	47	0	9	0	0	0	0	0	0	2	0	2	0	7	43
35.0N TO 37.5N																		
AUG AND SEP...	9	9	16	44	3	6	0	0	0	0	0	0	0	0	3	0	9	32
OCT TO JUL...	5	5	19	38	14	10	0	0	0	0	0	0	0	0	0	0	10	21
TOTAL...	8	8	17	42	8	8	0	0	0	0	0	0	0	0	2	0	9	53
32.5N TO 35.0N																		
AUG AND SEP...	6	9	27	18	3	3	0	0	0	0	0	0	6	0	15	0	12	33
OCT TO JUL...	8	12	24	16	8	0	0	0	0	0	0	0	12	0	4	0	16	25
TOTAL...	7	10	26	17	5	2	0	0	0	0	0	0	9	0	10	0	14	58
30.0N TO 32.5N																		
AUG AND SEP...	15	9	9	15	6	0	0	0	0	0	0	0	3	0	12	6	26	34
OCT TO JUL...	7	4	21	29	4	4	4	0	0	0	0	0	7	0	4	0	18	28
TOTAL...	11	6	15	21	5	2	2	0	0	0	0	0	5	0	8	3	23	62
27.5N TO 30.0N																		
AUG AND SEP...	10	8	13	8	3	0	0	0	0	0	0	0	3	0	23	5	28	39
OCT TO JUL...	17	3	7	27	10	7	0	0	0	0	3	0	3	0	3	7	13	30
TOTAL...	13	6	10	16	6	3	0	0	0	0	1	0	3	0	14	6	22	69
25.0N TO 27.5N																		
AUG AND SEP...	17	6	6	0	0	0	0	0	0	0	0	0	6	0	33	8	25	36
OCT TO JUL...	17	0	13	21	4	0	4	0	0	0	4	0	4	0	0	4	29	24
TOTAL...	17	3	8	8	2	0	2	0	0	0	2	0	5	0	20	7	27	60
22.5N TO 25.0N																		
AUG AND SEP...	7	2	0	0	0	0	0	0	0	0	0	0	10	5	43	10	24	42
OCT TO JUL...	8	4	16	24	4	0	0	0	4	0	0	0	0	0	16	4	20	25
TOTAL...	7	3	6	9	1	0	0	0	1	0	0	0	6	3	33	7	22	67
20.0N TO 22.5N																		
AUG AND SEP...	3	0	0	0	0	0	0	0	0	0	0	0	23	6	31	9	29	35
OCT TO JUL...	6	0	11	17	0	0	0	0	0	0	0	0	0	0	33	28	6	18
TOTAL...	4	0	4	6	0	0	0	0	0	0	0	0	15	4	32	15	21	53
17.5N TO 20.0N																		
AUG AND SEP...	3	0	0	0	0	0	0	0	0	0	0	0	48	16	29	0	3	31
OCT TO JUL...	0	0	13	13	13	0	0	0	0	0	0	0	13	13	25	13	0	8
TOTAL...	3	0	3	3	3	0	0	0	0	0	0	0	41	15	28	3	3	39

Table IV-4.--Continued

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 67.5 W TO 70.0 W SHEET 12 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	3
OCT TO JUL...	0	50	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	4
TOTAL...	0	29	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	7
42.5N TO 45.0N																		
AUG AND SEP...	0	0	0	90	0	10	0	0	0	0	0	0	0	0	0	0	0	10
OCT TO JUL...	0	17	0	67	0	0	0	0	0	0	0	0	0	0	0	0	17	6
TOTAL...	0	6	0	81	0	6	0	0	0	0	0	0	0	0	0	0	6	16
40.0N TO 42.5N																		
AUG AND SEP...	4	12	8	65	8	0	0	0	0	0	0	0	0	0	0	0	4	26
OCT TO JUL...	0	8	8	69	0	8	0	0	0	0	0	0	0	0	8	0	0	13
TOTAL...	3	10	8	67	5	3	0	0	0	0	0	0	0	0	3	0	3	39
37.5N TO 40.0N																		
AUG AND SEP...	3	15	3	62	3	3	0	0	0	0	0	0	0	0	3	0	9	34
OCT TO JUL...	0	13	13	44	6	13	0	0	0	0	0	0	0	0	0	6	6	16
TOTAL...	2	14	6	56	4	6	0	0	0	0	0	0	0	0	2	2	8	50
35.0N TO 37.5N																		
AUG AND SEP...	0	21	11	36	4	7	0	0	0	0	0	0	0	0	4	0	18	28
OCT TO JUL...	0	14	21	41	10	7	0	0	0	0	0	0	0	0	0	3	3	29
TOTAL...	0	18	16	39	7	7	0	0	0	0	0	0	0	0	2	2	11	57
32.5N TO 35.0N																		
AUG AND SEP...	7	19	33	11	7	0	0	0	0	0	0	0	0	0	7	4	11	27
OCT TO JUL...	4	17	33	25	8	0	0	0	0	0	0	0	8	0	4	0	0	24
TOTAL...	6	18	33	18	8	0	0	0	0	0	0	0	4	0	6	2	6	51
30.0N TO 32.5N																		
AUG AND SEP...	11	11	21	8	5	0	0	0	0	0	0	0	0	0	13	5	26	38
OCT TO JUL...	9	13	17	22	4	9	4	0	0	0	4	0	4	0	4	0	9	23
TOTAL...	10	11	20	13	5	3	2	0	0	0	2	0	2	0	10	3	20	61
27.5N TO 30.0N																		
AUG AND SEP...	17	6	11	3	0	0	0	0	0	0	0	0	9	0	23	3	29	35
OCT TO JUL...	3	7	13	30	7	3	0	0	0	0	3	0	3	0	10	0	20	30
TOTAL...	11	6	12	15	3	2	0	0	0	0	2	0	6	0	17	2	25	65
25.0N TO 27.5N																		
AUG AND SEP...	6	6	3	3	0	0	0	0	0	0	0	0	9	0	41	9	24	34
OCT TO JUL...	13	13	17	17	8	0	0	0	0	0	0	0	13	0	8	4	8	24
TOTAL...	9	9	9	9	3	0	0	0	0	0	0	0	10	0	28	7	17	58
22.5N TO 25.0N																		
AUG AND SEP...	5	5	0	0	0	0	0	0	0	0	0	0	11	3	39	5	32	38
OCT TO JUL...	0	10	30	10	0	0	5	0	5	0	0	0	10	0	10	0	20	20
TOTAL...	3	7	10	3	0	0	2	0	2	0	0	0	10	2	29	3	28	58
20.0N TO 22.5N																		
AUG AND SEP...	3	3	0	0	0	0	0	0	0	0	0	0	18	8	36	10	23	39
OCT TO JUL...	5	5	15	5	0	0	5	0	0	0	0	0	5	0	20	15	25	20
TOTAL...	3	3	5	2	0	0	2	0	0	0	0	0	14	5	31	12	24	59
17.5N TO 20.0N																		
AUG AND SEP...	3	0	0	0	0	0	0	0	0	0	0	0	31	16	25	6	19	32
OCT TO JUL...	8	0	8	8	0	0	0	0	0	0	0	0	8	8	15	15	31	13
TOTAL...	4	0	2	2	0	0	0	0	0	0	0	0	24	13	22	9	22	45

Table IV-4.--Continued

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 65.0 W TO 67.5 W SHEET 13 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...	0	25	0	63	0	13	0	0	0	0	0	0	0	0	0	0	0	8
OCT TO JUL...	0	33	17	50	0	0	0	0	0	0	0	0	0	0	0	0	0	6
TOTAL...	0	29	7	57	0	7	0	0	0	0	0	0	0	0	0	0	0	14
42.5N TO 45.0N																		
AUG AND SEP...	0	21	5	68	0	5	0	0	0	0	0	0	0	0	0	0	0	19
OCT TO JUL...	17	33	0	33	0	0	0	0	0	0	0	0	0	0	17	0	0	6
TOTAL...	4	24	4	60	0	4	0	0	0	0	0	0	0	0	4	0	0	25
40.0N TO 42.5N																		
AUG AND SEP...	4	14	7	57	4	7	4	0	0	0	0	0	0	0	0	0	4	28
OCT TO JUL...	0	27	7	53	0	7	0	0	0	0	0	0	0	0	7	0	0	15
TOTAL...	2	19	7	56	2	7	2	0	0	0	0	0	0	0	2	0	2	43
37.5N TO 40.0N																		
AUG AND SEP...	8	12	4	50	8	8	4	0	0	0	0	0	0	0	0	0	8	26
OCT TO JUL...	0	14	5	52	5	10	0	0	0	0	0	0	0	0	5	5	5	21
TOTAL...	4	13	4	51	6	9	2	0	0	0	0	0	0	0	2	2	6	47
35.0N TO 37.5N																		
AUG AND SEP...	9	14	18	23	5	14	0	0	0	0	5	0	0	0	0	0	14	22
OCT TO JUL...	0	12	20	40	8	8	0	0	0	0	0	0	0	0	0	4	8	25
TOTAL...	4	13	19	32	6	11	0	0	0	0	2	0	0	0	0	2	11	47
32.5N TO 35.0N																		
AUG AND SEP...	7	14	32	18	4	0	0	0	0	0	0	0	0	0	7	0	18	28
OCT TO JUL...	4	17	13	30	9	4	0	0	0	0	0	0	9	0	0	9	4	23
TOTAL...	6	16	24	24	6	2	0	0	0	0	0	0	4	0	4	4	12	51
30.0N TO 32.5N																		
AUG AND SEP...	4	11	29	11	4	0	0	0	0	0	0	0	0	0	21	0	21	28
OCT TO JUL...	5	0	14	29	5	5	0	0	0	0	0	5	0	0	5	5	29	21
TOTAL...	4	6	22	18	4	2	0	0	0	0	0	2	0	0	14	2	24	49
27.5N TO 30.0N																		
AUG AND SEP...	17	10	13	3	0	0	0	0	0	0	0	0	3	7	10	7	30	30
OCT TO JUL...	9	0	17	26	0	9	0	0	0	0	4	0	4	0	13	0	17	23
TOTAL...	13	6	15	13	0	4	0	0	0	0	2	0	4	4	11	4	25	53
25.0N TO 27.5N																		
AUG AND SEP...	13	0	0	0	0	0	0	0	0	0	0	0	6	3	44	9	25	32
OCT TO JUL...	6	0	18	29	6	0	0	0	0	0	0	0	12	0	12	12	6	17
TOTAL...	10	0	6	10	2	0	0	0	0	0	0	0	8	2	33	10	18	49
22.5N TO 25.0N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	9	9	43	11	29	35
OCT TO JUL...	8	0	8	8	8	0	0	0	0	0	0	0	25	0	25	0	17	12
TOTAL...	2	0	2	2	2	0	0	0	0	0	0	0	13	6	38	9	26	47
20.0N TO 22.5N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	18	13	33	10	26	39
OCT TO JUL...	11	0	0	0	22	0	0	0	0	0	0	0	11	0	33	0	22	9
TOTAL...	2	0	0	0	4	0	0	0	0	0	0	0	17	10	33	8	25	48
17.5N TO 20.0N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	36	17	21	11	15	47
OCT TO JUL...	0	0	0	0	0	8	0	0	0	0	0	0	17	8	42	8	17	12
TOTAL...	0	0	0	0	0	2	0	0	0	0	0	0	32	15	25	10	15	59

Table IV-4.—Continued

ANNUAL FREQLENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 62.5 W TO 65.0 W SHEET 14 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...	0	0	0	91	0	9	0	0	0	0	0	0	0	0	0	0	0	11
OCT TO JUL...	0	11	33	33	0	11	0	0	0	0	0	0	0	0	11	0	0	9
TOTAL...	0	5	15	65	0	10	0	0	0	0	0	0	0	0	5	0	0	20
42.5N TO 45.0N																		
AUG AND SEP...	0	10	5	70	5	10	0	0	0	0	0	0	0	0	0	0	0	20
OCT TO JUL...	0	10	40	50	0	0	0	0	0	0	0	0	0	0	0	0	0	10
TOTAL...	0	10	17	63	3	7	0	0	0	0	0	0	0	0	0	0	0	30
40.0N TO 42.5N																		
AUG AND SEP...	3	7	3	59	10	14	0	0	0	0	0	0	0	0	0	3	0	29
OCT TO JUL...	0	14	0	50	7	14	0	0	0	0	0	0	0	0	7	0	7	14
TOTAL...	2	9	2	56	9	14	0	0	0	0	0	0	0	0	2	2	2	43
37.5N TO 40.0N																		
AUG AND SEP...	0	7	4	50	7	14	0	0	4	0	0	0	0	0	0	4	11	28
OCT TO JUL...	0	16	11	53	5	11	0	0	0	0	0	0	0	0	0	0	5	19
TOTAL...	0	11	6	51	6	13	0	0	2	0	0	0	0	0	0	2	9	47
35.0N TO 37.5N																		
AUG AND SEP...	7	0	11	44	4	15	0	0	0	0	4	0	0	0	0	4	11	27
OCT TO JUL...	4	4	9	57	4	13	0	0	0	0	0	0	0	0	0	4	4	23
TOTAL...	6	2	10	50	4	14	0	0	0	0	2	0	0	0	0	4	8	50
32.5N TO 35.0N																		
AUG AND SEP...	9	0	14	50	14	0	0	0	0	0	0	0	0	0	5	5	5	22
OCT TO JUL...	5	5	9	36	5	9	0	0	0	0	0	5	5	0	0	9	14	22
TOTAL...	7	2	11	43	9	5	0	0	0	0	0	2	2	0	2	7	9	44
30.0N TO 32.5N																		
AUG AND SEP...	13	9	26	9	4	0	0	0	0	0	0	0	0	0	9	4	26	23
OCT TO JUL...	4	4	26	30	4	9	0	0	0	0	0	4	0	0	4	4	9	23
TOTAL...	9	7	26	20	4	4	0	0	0	0	0	2	0	0	7	4	17	46
27.5N TO 30.0N																		
AUG AND SEP...	14	0	14	0	0	0	0	0	0	0	0	0	5	10	10	10	38	21
OCT TO JUL...	9	5	14	32	9	0	0	0	0	0	0	0	5	0	9	5	14	22
TOTAL...	12	2	14	16	5	0	0	0	0	0	0	0	5	5	9	7	26	43
25.0N TO 27.5N																		
AUG AND SEP...	4	0	0	0	0	0	0	0	0	0	0	0	12	8	23	12	42	26
OCT TO JUL...	9	0	18	9	18	0	0	0	0	0	0	0	9	0	27	9	0	11
TOTAL...	5	0	5	3	5	0	0	0	0	0	0	0	11	5	24	11	30	37
22.5N TO 25.0N																		
AUG AND SEP...	3	0	0	0	0	0	0	0	0	0	0	0	8	5	43	16	24	37
OCT TO JUL...	13	0	7	7	0	0	0	0	0	0	0	0	13	0	53	0	7	15
TOTAL...	6	0	2	2	0	0	0	0	0	0	0	0	10	4	46	12	19	52
20.0N TO 22.5N																		
AUG AND SEP...	3	0	0	0	0	0	0	0	0	0	0	0	10	10	38	18	21	39
OCT TO JUL...	18	0	0	0	18	0	0	0	0	0	0	0	9	0	45	0	9	11
TOTAL...	6	0	0	0	4	0	0	0	0	0	0	0	10	8	40	14	18	50
17.5N TO 20.0N																		
AUG AND SEP...	0	2	0	0	0	0	0	0	0	0	0	0	36	24	24	4	9	45
OCT TO JUL...	0	0	0	0	9	0	0	0	0	0	0	0	9	27	18	9	27	11
TOTAL...	0	2	0	0	2	0	0	0	0	0	0	0	30	25	23	5	13	56

Table IV-4.--Continued

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 60.0 W TO 62.5 W SHEET 15 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED AREA	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
45.0N TO 47.5N																		
AUG AND SEP...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	16
OCT TO JUL...	11	0	11	33	11	22	0	0	0	0	0	0	0	0	11	0	0	9
TOTAL...	4	0	4	76	4	8	0	0	0	0	0	0	0	0	4	0	0	25
42.5N TO 45.0N																		
AUG AND SEP...	0	0	6	78	6	11	0	0	0	0	0	0	0	0	0	0	0	18
OCT TO JUL...	7	7	13	53	7	7	0	0	0	0	0	0	0	0	0	0	7	15
TOTAL...	3	3	9	67	6	9	0	0	0	0	0	0	0	0	0	0	3	33
40.0N TO 42.5N																		
AUG AND SEP...	0	0	5	68	11	11	0	0	0	0	0	0	0	0	0	5	0	19
OCT TO JUL...	0	0	13	50	13	13	0	0	0	0	0	0	0	0	0	0	13	8
TOTAL...	0	0	7	63	11	11	0	0	0	0	0	0	0	0	0	4	4	27
37.5N TO 40.0N																		
AUG AND SEP...	0	0	10	52	10	24	0	0	0	0	0	0	0	0	0	5	0	21
OCT TO JUL...	0	0	15	54	8	15	0	0	0	0	0	0	0	0	0	0	8	13
TOTAL...	0	0	12	53	9	21	0	0	0	0	0	0	0	0	0	3	3	34
35.0N TO 37.5N																		
AUG AND SEP...	6	0	6	59	0	15	0	0	0	0	0	0	0	0	0	3	12	34
OCT TO JUL...	6	6	6	53	12	6	0	0	0	0	0	0	0	0	0	0	12	17
TOTAL...	6	2	6	57	4	12	0	0	0	0	0	0	0	0	0	2	12	51
32.5N TO 35.0N																		
AUG AND SEP...	0	10	17	52	0	3	0	0	0	0	0	0	0	0	3	3	10	29
OCT TO JUL...	0	6	24	53	0	6	0	0	0	0	0	0	0	0	6	0	6	17
TOTAL...	0	9	20	52	0	4	0	0	0	0	0	0	0	0	4	2	9	46
30.0N TO 32.5N																		
AUG AND SEP...	12	12	12	29	0	0	6	0	0	0	0	0	0	6	6	6	12	17
OCT TO JUL...	5	5	29	38	0	14	0	0	0	0	0	0	0	0	10	0	0	21
TOTAL...	8	8	21	34	0	8	3	0	0	0	0	0	0	3	8	3	5	38
27.5N TO 30.0N																		
AUG AND SEP...	17	6	0	6	0	0	0	0	0	0	0	0	0	11	17	6	39	18
OCT TO JUL...	6	6	25	13	0	13	0	0	0	0	0	0	6	0	13	6	13	16
TOTAL...	12	6	12	9	0	6	0	0	0	0	0	0	3	6	15	6	26	34
25.0N TO 27.5N																		
AUG AND SEP...	10	5	0	0	0	0	0	0	0	0	0	0	5	5	24	14	38	21
OCT TO JUL...	0	0	30	10	0	0	0	0	0	0	0	0	0	0	10	20	30	10
TOTAL...	6	3	10	3	0	0	0	0	0	0	0	0	3	3	19	16	35	31
22.5N TO 25.0N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	14	4	39	11	32	28
OCT TO JUL...	22	0	11	11	0	0	0	0	0	0	11	0	0	0	22	11	11	9
TOTAL...	5	0	3	3	0	0	0	0	0	0	3	0	11	3	35	11	27	37
20.0N TO 22.5N																		
AUG AND SEP...	3	0	0	0	0	0	0	0	0	0	0	0	11	9	51	11	14	35
OCT TO JUL...	11	0	0	0	11	0	0	0	0	0	11	0	11	0	22	11	22	9
TOTAL...	5	0	0	0	2	0	0	0	0	0	2	0	11	7	45	11	16	44
17.5N TO 20.0N																		
AUG AND SEP...	0	2	0	0	0	0	0	0	0	0	0	0	38	11	22	9	18	45
OCT TO JUL...	0	0	0	0	0	0	0	0	13	0	0	0	25	13	0	25	25	8
TOTAL...	0	2	0	0	0	0	0	0	2	0	0	0	36	11	19	11	19	53

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 57.5 W TO 60.0 W SHEET 16 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...	0	11	6	78	0	6	0	0	0	0	0	0	0	0	0	0	0	18
OCT TO JUL...	9	0	0	55	9	18	9	0	0	0	0	0	0	0	0	0	0	11
TOTAL...	3	7	3	69	3	10	3	0	0	0	0	0	0	0	0	0	0	29
42.5N TO 45.0N																		
AUG AND SEP...	0	6	6	53	12	24	0	0	0	0	0	0	0	0	0	0	0	17
OCT TO JUL...	11	11	0	33	11	22	0	0	0	0	0	0	0	0	0	0	11	9
TOTAL...	4	8	4	46	12	23	0	0	0	0	0	0	0	0	0	0	4	26
40.0N TO 42.5N																		
AUG AND SEP...	0	0	6	56	11	17	0	0	0	0	0	0	0	0	0	0	11	18
OCT TO JUL...	0	0	15	69	0	15	0	0	0	0	0	0	0	0	0	0	0	13
TOTAL...	0	0	10	61	6	16	0	0	0	0	0	0	0	0	0	0	6	31
37.5N TO 40.0N																		
AUG AND SEP...	4	4	12	48	4	12	0	0	4	0	0	0	0	0	0	0	12	25
OCT TO JUL...	0	0	15	69	8	8	0	0	0	0	0	0	0	0	0	0	0	13
TOTAL...	3	3	13	55	5	11	0	0	3	0	0	0	0	0	0	0	8	38
35.0N TO 37.5N																		
AUG AND SEP...	4	0	4	61	4	14	0	0	0	0	0	0	0	0	0	4	11	28
OCT TO JUL...	0	0	21	57	0	7	7	0	0	0	0	0	0	0	0	0	7	14
TOTAL...	2	0	10	60	2	12	2	0	0	0	0	0	0	0	0	2	10	42
32.5N TO 35.0N																		
AUG AND SEP...	4	8	16	44	0	4	0	0	0	0	0	0	0	0	0	4	20	25
OCT TO JUL...	0	0	36	57	0	7	0	0	0	0	0	0	0	0	0	0	0	14
TOTAL...	3	5	23	49	0	5	0	0	0	0	0	0	0	0	0	3	13	39
30.0N TO 32.5N																		
AUG AND SEP...	6	6	19	25	0	6	0	0	0	0	0	0	0	6	13	0	19	16
OCT TO JUL...	9	0	18	18	9	36	0	0	0	0	0	0	0	0	9	0	0	11
TOTAL...	7	4	19	22	4	19	0	0	0	0	0	0	0	4	11	0	11	27
27.5N TO 30.0N																		
AUG AND SEP...	12	18	6	0	0	0	0	0	0	0	0	0	6	0	29	12	18	17
OCT TO JUL...	14	0	14	14	14	14	0	0	0	0	0	0	0	0	14	0	14	7
TOTAL...	13	13	8	4	4	4	0	0	0	0	0	0	4	0	25	8	17	24
25.0N TO 27.5N																		
AUG AND SEP...	0	11	0	0	0	0	0	0	0	0	0	0	6	0	33	22	28	18
OCT TO JUL...	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	67	3
TOTAL...	0	10	0	5	0	0	0	0	0	0	0	0	5	0	29	19	33	21
22.5N TO 25.0N																		
AUG AND SEP...	0	5	0	0	0	0	0	0	0	0	0	0	5	0	43	14	33	21
OCT TO JUL...	0	0	0	0	0	0	0	0	0	0	25	0	0	0	25	0	50	4
TOTAL...	0	4	0	0	0	0	0	0	0	0	4	0	4	0	40	12	36	25
20.0N TO 22.5N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	7	10	52	3	28	29
OCT TO JUL...	0	0	0	0	11	0	0	0	0	0	0	0	22	0	22	22	22	9
TOTAL...	0	0	0	0	3	0	0	0	0	0	0	0	11	8	45	8	26	38
17.5N TO 20.0N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	30	13	33	5	20	40
OCT TO JUL...	14	0	0	0	0	0	0	0	0	0	0	0	29	14	0	29	14	7
TOTAL...	2	0	0	0	0	0	0	0	0	0	0	0	30	13	28	9	19	47

Table IV-4.--Continued

ANNUAL FREQLENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 55.0 W TO 57.5 W SHEET 17 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...	0	8	15	54	0	23	0	0	0	0	0	0	0	0	0	0	0	13
OCT TO JUL...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	7
TOTAL...	0	5	10	70	0	15	0	0	0	0	0	0	0	0	0	0	0	20
42.5N TO 45.0N																		
AUG AND SEP...	0	5	15	50	0	30	0	0	0	0	0	0	0	0	0	0	0	20
OCT TO JUL...	0	0	0	70	0	20	0	0	0	0	0	0	0	0	0	10	0	10
TOTAL...	0	3	10	57	0	27	0	0	0	0	0	0	0	0	0	3	0	30
40.0N TO 42.5N																		
AUG AND SEP...	4	4	12	52	8	20	0	0	0	0	0	0	0	0	0	0	0	25
OCT TO JUL...	0	0	8	58	0	25	0	0	0	0	0	0	0	0	0	8	0	12
TOTAL...	3	3	11	54	5	22	0	0	0	0	0	0	0	0	0	3	0	37
37.5N TO 40.0N																		
AUG AND SEP...	4	4	11	48	11	19	0	0	0	0	0	0	0	0	0	0	4	27
OCT TO JUL...	0	0	30	50	0	20	0	0	0	0	0	0	0	0	0	0	0	10
TOTAL...	3	3	16	49	8	19	0	0	0	0	0	0	0	0	0	0	3	37
35.0N TO 37.5N																		
AUG AND SEP...	8	8	12	52	4	12	0	0	0	0	0	0	4	0	0	0	0	25
OCT TO JUL...	8	0	33	50	0	8	0	0	0	0	0	0	0	0	0	0	0	12
TOTAL...	8	5	19	51	3	11	0	0	0	0	0	0	3	0	0	0	0	37
32.5N TO 35.0N																		
AUG AND SEP...	15	15	15	25	5	5	0	0	0	0	0	0	0	0	10	5	5	20
OCT TO JUL...	8	0	33	42	0	17	0	0	0	0	0	0	0	0	0	0	0	12
TOTAL...	13	9	22	31	3	9	0	0	0	0	0	0	0	0	6	3	3	32
30.0N TO 32.5N																		
AUG AND SEP...	13	13	6	13	0	6	0	0	0	0	0	0	6	0	31	6	6	16
OCT TO JUL...	0	0	13	13	25	13	0	0	0	0	13	0	0	0	0	13	13	8
TOTAL...	8	8	8	13	8	8	0	0	0	0	4	0	4	0	21	8	8	24
27.5N TO 30.0N																		
AUG AND SEP...	13	20	0	0	0	7	0	0	0	0	0	0	7	0	27	20	7	15
OCT TO JUL...	0	0	0	17	17	0	0	0	0	0	17	0	17	0	33	0	0	6
TOTAL...	10	14	0	5	5	5	0	0	0	0	5	0	10	0	29	14	5	21
25.0N TO 27.5N																		
AUG AND SEP...	13	7	0	0	0	0	0	0	0	0	0	0	0	7	53	7	13	15
OCT TO JUL...	0	0	17	0	0	0	0	0	0	0	17	0	0	0	17	0	50	6
TOTAL...	10	5	5	0	0	0	0	0	0	0	5	0	0	5	43	5	24	21
22.5N TO 25.0N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	38	15	13
OCT TO JUL...	0	0	20	0	0	0	0	0	0	0	0	0	0	0	40	0	40	5
TOTAL...	0	0	6	0	0	0	0	0	0	0	0	0	0	0	44	28	22	18
20.0N TO 22.5N																		
AUG AND SEP...	4	0	0	0	0	0	0	0	0	0	0	0	17	9	35	4	30	23
OCT TO JUL...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	0	67	3
TOTAL...	4	0	0	0	0	0	0	0	0	0	0	0	15	8	35	4	35	26
17.5N TO 20.0N																		
AUG AND SEP...	3	0	0	0	0	0	0	0	0	0	0	0	26	18	21	9	24	34
OCT TO JUL...	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	3
TOTAL...	3	0	0	0	0	0	0	0	0	0	0	0	32	16	19	8	22	37

Table IV-4.—Concluded

ANNUAL FREQUENCY OF SPEEDS OF TROPICAL CYCLONE MOTION BY DIRECTION 52.5 W TO 55.0 W SHEET 18 OF 18
(EXPRESSED AS PERCENT OF CENTERS ENTERING SQUARE)

DIRECTION	... N...		...NE...		... E...		...SE...		... S...		...SW...		... W...		...NW...			NUMBER
SPEED	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	8-15	>15	<8	ENTERING
AREA																		
45.0N TO 47.5N																		
AUG AND SEP...	0	13	7	67	0	13	0	0	0	0	0	0	0	0	0	0	0	15
OCT TO JUL...	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	7
TOTAL...	0	9	5	77	0	9	0	0	0	0	0	0	0	0	0	0	0	22
42.5N TO 45.0N																		
AUG AND SEP...	0	5	14	62	0	19	0	0	0	0	0	0	0	0	0	0	0	21
OCT TO JUL...	0	0	0	70	0	20	0	0	0	0	0	0	0	0	0	10	0	10
TOTAL...	0	3	10	65	0	19	0	0	0	0	0	0	0	0	0	3	0	31
40.0N TO 42.5N																		
AUG AND SEP...	0	5	10	70	10	5	0	0	0	0	0	0	0	0	0	0	0	20
OCT TO JUL...	9	0	0	73	0	18	0	0	0	0	0	0	0	0	0	0	0	11
TOTAL...	3	3	6	71	6	10	0	0	0	0	0	0	0	0	0	0	0	31
37.5N TO 40.0N																		
AUG AND SEP...	0	5	9	68	0	14	0	0	0	0	0	0	0	0	0	0	5	22
OCT TO JUL...	0	0	15	77	0	8	0	0	0	0	0	0	0	0	0	0	0	13
TOTAL...	0	3	11	71	0	11	0	0	0	0	0	0	0	0	0	0	3	35
35.0N TO 37.5N																		
AUG AND SEP...	0	6	22	33	6	11	0	0	0	0	0	0	11	0	0	0	11	18
OCT TO JUL...	0	0	20	70	0	10	0	0	0	0	0	0	0	0	0	0	0	10
TOTAL...	0	4	21	46	4	11	0	0	0	0	0	0	7	0	0	0	7	28
32.5N TO 35.0N																		
AUG AND SEP...	9	18	9	27	9	0	0	0	0	0	0	0	0	0	0	0	27	11
OCT TO JUL...	0	0	13	50	13	13	0	0	0	0	0	0	0	0	0	0	13	8
TOTAL...	5	11	11	37	11	5	0	0	0	0	0	0	0	0	0	0	21	19
30.0N TO 32.5N																		
AUG AND SEP...	0	20	10	10	0	10	0	0	0	0	0	0	0	0	20	10	20	10
OCT TO JUL...	0	0	0	40	0	20	0	0	0	0	0	0	0	0	0	0	40	5
TOTAL...	0	13	7	20	0	13	0	0	0	0	0	0	0	0	13	7	27	15
27.5N TO 30.0N																		
AUG AND SEP...	15	0	0	0	0	8	0	0	0	0	0	0	0	0	31	15	31	13
OCT TO JUL...	0	0	0	29	14	0	0	0	0	0	14	0	0	0	14	0	29	7
TOTAL...	10	0	0	10	5	5	0	0	0	0	5	0	0	0	25	10	30	20
25.0N TO 27.5N																		
AUG AND SEP...	8	0	0	8	0	0	0	0	0	0	0	0	0	8	38	15	23	13
OCT TO JUL...	0	0	17	0	0	0	0	0	0	0	0	0	17	0	33	0	33	6
TOTAL...	5	0	5	5	0	0	0	0	0	0	0	0	5	5	37	11	26	19
22.5N TO 25.0N																		
AUG AND SEP...	8	8	0	8	0	0	0	0	0	0	0	0	0	0	38	31	8	13
OCT TO JUL...	0	0	13	0	0	0	0	0	0	0	0	0	38	0	13	0	38	8
TOTAL...	5	5	5	5	0	0	0	0	0	0	0	0	14	0	29	19	19	21
20.0N TO 22.5N																		
AUG AND SEP...	4	4	0	0	0	0	0	0	0	0	0	0	13	0	39	22	17	23
OCT TO JUL...	0	0	0	0	0	0	0	0	0	0	0	0	50	0	25	0	25	4
TOTAL...	4	4	0	0	0	0	0	0	0	0	0	0	19	0	37	19	19	27
17.5N TO 20.0N																		
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	18	25	25	11	21	28
OCT TO JUL...	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	1
TOTAL...	0	0	0	0	0	0	0	0	0	0	0	0	17	28	24	10	21	29

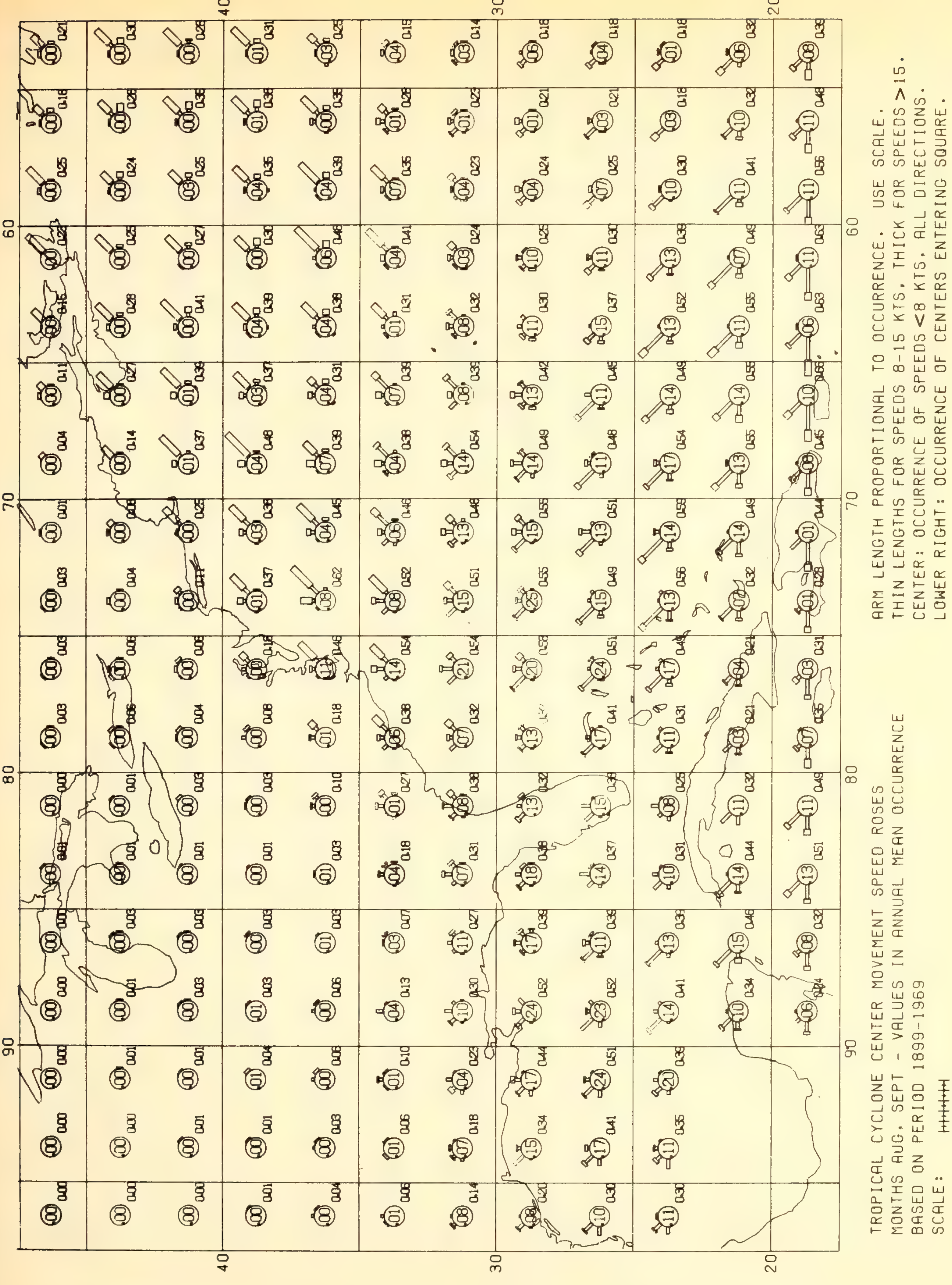

TROPICAL CYCLONE CENTER MOVEMENT SPEED ROSES
MONTHS AUG, SEPT - VALUES IN ANNUAL MEAN OCCURRENCE
BASED ON PERIOD 1899-1969
SCALE:
.00 .50
ARM LENGTH PROPORTIONAL TO OCCURRENCE. USE SCALE.
THIN LENGTHS FOR SPEEDS 8-15 KTS, THICK FOR SPEEDS >15.
CENTER: OCCURRENCE OF SPEEDS <8 KTS, ALL DIRECTIONS.
LOWER RIGHT: OCCURRENCE OF CENTERS ENTERING SQUARE.
60
70
80
90
40
30
20

Figure IV-37.--Tropical cyclone center movement speed roses, August and September, 1899-1969.

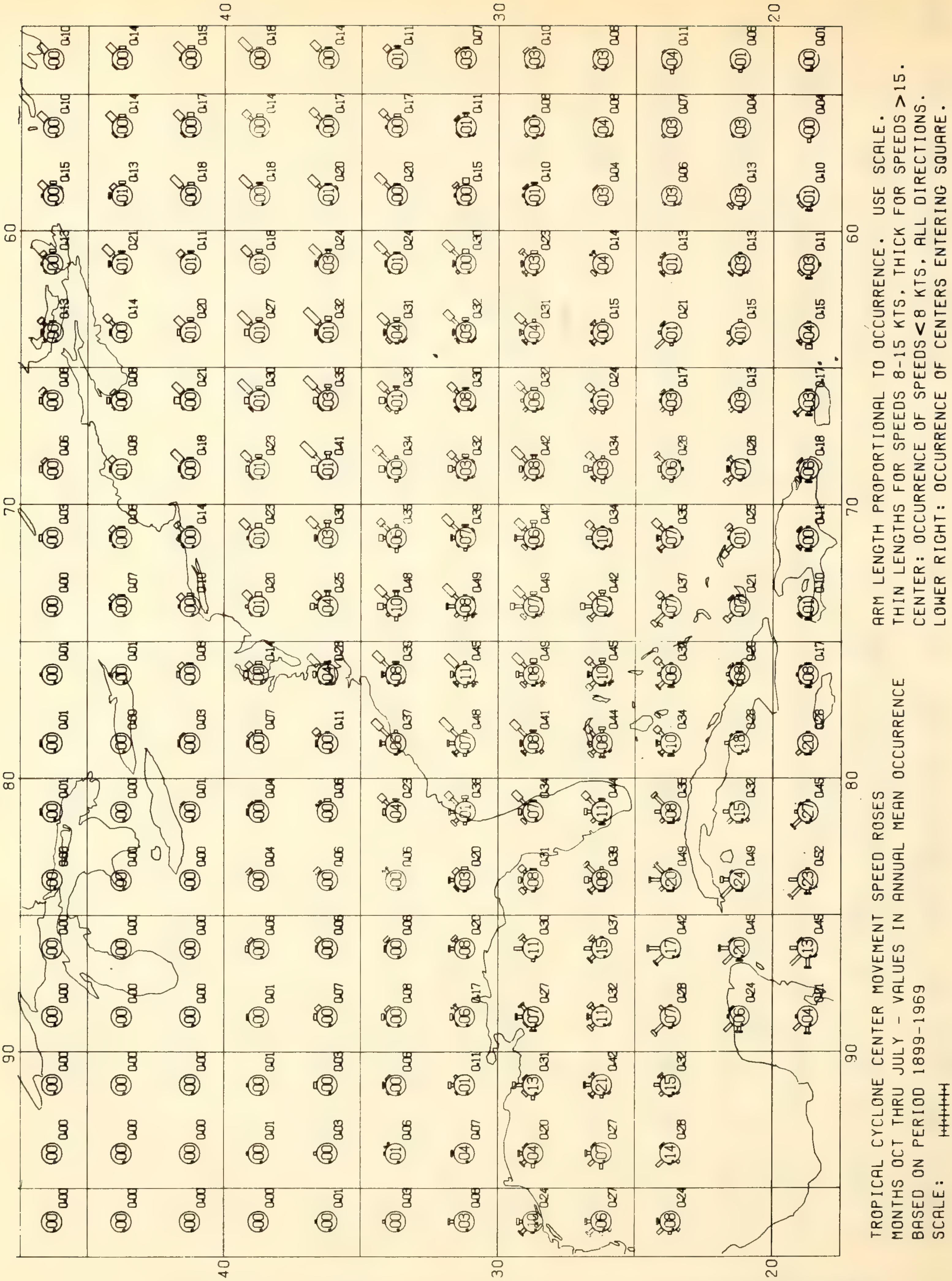
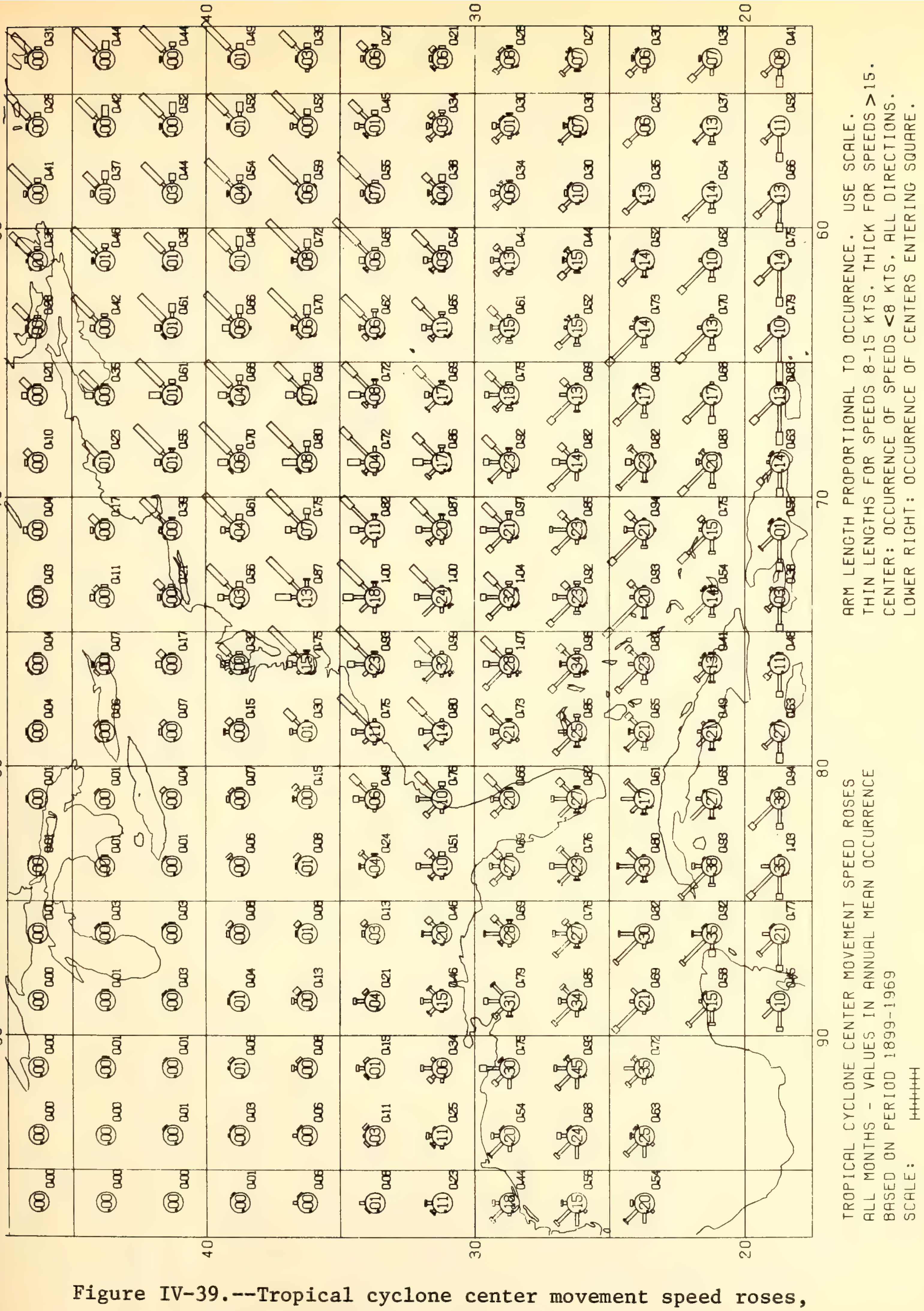

TROPICAL CYCLONE CENTER MOVEMENT SPEED ROSES
MONTHS OCT THRU JULY - VALUES IN ANNUAL MEAN OCCURRENCE
BASED ON PERIOD 1899-1969
SCALE: .00 .50
ARM LENGTH PROPORTIONAL TO OCCURRENCE. USE SCALE.
THIN LENGTHS FOR SPEEDS 8-15 KTS. THICK FOR SPEEDS >15.
CENTER: OCCURRENCE OF SPEEDS <8 KTS. ALL DIRECTIONS.
LOWER RIGHT: OCCURRENCE OF CENTERS ENTERING SQUARE.
40
30
20
60
70
80
90

Figure IV-38.--Tropical cyclone center movement speed roses, October to July, 1899-1969.



TROPICAL CYCLONE CENTER MOVEMENT SPEED ROSES
ALL MONTHS - VALUES IN ANNUAL MEAN OCCURRENCE
BASED ON PERIOD 1899-1969
SCALE: .00 .50
ARM LENGTH PROPORTIONAL TO OCCURRENCE. USE SCALE.
THIN LENGTHS FOR SPEEDS 8-15 KTS. THICK FOR SPEEDS >15.
CENTER: OCCURRENCE OF SPEEDS <8 KTS. ALL DIRECTIONS.
LOWER RIGHT: OCCURRENCE OF CENTERS ENTERING SQUARE.
40
30
20
60
70
80
90

Figure IV-39.--Tropical cyclone center movement speed roses, all months, 1899-1969.

4. Duration (hr) of Gale-Force Winds, by Storm Size

Table IV-5.--Duration (hr) of gale force winds by storm size

MAX DURATION OF GALE-FORCE WINDS FROM TROPICAL CYCLONES BY SIZE, HOURS 100 W TO 80 W PAGE 1 OF 2

LONGITUDE**	...100.0 W TO 95.0 W....						... 95.0 W TO 90.0 W....						... 90.0 W TO 85.0 W....						... 85.0 W TO 80.0 W....					
	...SMALL...			...LARGE...			...SMALL...			...LARGE...			...SMALL...			...LARGE...			...SMALL...			...LARGE...		
LATITUDE***	AVG	STD	N	AVG	STD	N	AVG	STD	N	AVG	STD	N	AVG	STD	N	AVG	STD	N	AVG	STD	N	AVG	STD	N
40.0N TO 45.0N																								
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCT TO JUL...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL MONTHS...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35.0N TO 40.0N																								
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	1	0	0	0
OCT TO JUL...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL MONTHS...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	1	0	0	0
30.0N TO 35.0N																								
AUG AND SEP...	0	0	0	38	0	1	13	4	4	20	2	2	20	12	7	22	1	2	23	9	12	37	22	14
OCT TO JUL...	0	0	0	0	0	0	22	13	3	43	0	1	12	3	4	0	0	0	12	6	10	33	17	10
ALL MONTHS...	0	0	0	38	0	1	17	10	7	27	11	3	17	10	11	22	1	2	18	9	22	35	20	24
25.0N TO 30.0N																								
AUG AND SEP...	0	0	0	55	20	12	22	10	9	46	18	12	19	12	7	30	6	19	22	4	11	47	16	18
OCT TO JUL...	25	9	5	0	0	0	33	12	5	47	8	19	11	4	6	43	13	9	14	8	24	37	14	27
ALL MONTHS...	25	9	5	55	20	12	26	12	14	47	13	31	15	10	13	34	11	28	17	8	35	41	16	45
20.0N TO 25.0N																								
AUG AND SEP...	39	9	4	45	6	8	19	3	4	43	14	16	23	9	16	44	15	18	21	9	15	51	7	8
OCT TO JUL...	30	9	16	70	16	6	29	9	15	42	9	16	24	14	7	48	19	14	28	15	21	49	24	22
ALL MONTHS...	32	9	20	56	17	14	27	9	19	42	12	32	24	11	23	46	17	32	25	13	36	50	21	30
15.0N TO 20.0N																								
AUG AND SEP...	0	0	0	0	0	0	0	0	0	0	0	0	32	11	15	38	9	4	21	7	19	34	11	4
OCT TO JUL...	24	2	2	0	0	0	35	13	8	0	0	0	16	7	8	41	4	3	19	12	10	66	32	14
ALL MONTHS...	24	2	2	0	0	0	35	13	8	0	0	0	26	12	23	40	7	7	20	9	29	59	31	18

Table IV-5.--Concluded

MAX DURATION OF GALE-FORCE WINDS FROM TROPICAL CYCLONES BY SIZE. HOURS 80 W TO 60 W PAGE 2 OF 2

LONGITUDE**	... 80.0 W TO 75.0 W....						... 75.0 W TO 70.0 W....						... 70.0 W TO 65.0 W....						... 65.0 W TO 60.0 W....					
	...SMALL...			...LARGE...			...SMALL...			...LARGE...			...SMALL...			...LARGE...			...SMALL...			...LARGE...		
LATITUDE***	AVG	STD	N	AVG	STD	N	AVG	STD	N	AVG	STD	N	AVG	STD	N	AVG	STD	N	AVG	STD	N	AVG	STD	N
40.0N TO 45.0N																								
AUG AND SEP...	0	0	0	0	0	0	27	21	2	27	19	10	20	20	3	26	23	18	6	1	2	19	14	8
OCT TO JUL...	0	0	0	0	0	0	4	0	1	0	0	0	13	5	4	24	11	9	15	3	2	25	12	8
ALL MONTHS...	0	0	0	0	0	0	19	20	3	27	19	10	16	14	7	26	20	27	11	5	4	22	14	16
35.0N TO 40.0N																								
AUG AND SEP...	19	15	5	21	12	6	15	14	7	29	17	31	7	0	1	36	30	43	18	6	4	40	37	32
OCT TO JUL...	10	6	3	12	2	4	6	2	2	52	39	16	32	17	4	35	19	24	32	17	4	32	13	20
ALL MONTHS...	16	13	8	17	10	10	13	13	9	37	29	47	27	18	5	36	26	67	25	14	8	37	30	52
30.0N TO 35.0N																								
AUG AND SEP...	16	7	18	27	19	15	17	9	20	53	35	20	13	5	6	41	30	26	19	3	2	23	9	18
OCT TO JUL...	28	17	12	46	26	49	11	4	2	54	24	62	19	15	5	38	16	34	10	0	1	36	16	17
ALL MONTHS...	21	14	30	41	26	64	17	9	22	54	27	82	16	11	11	39	23	60	16	5	3	30	15	35
25.0N TO 30.0N																								
AUG AND SEP...	29	13	15	61	27	36	26	7	6	55	26	53	33	20	7	50	20	51	34	26	3	38	10	46
OCT TO JUL...	21	16	12	57	31	33	10	0	1	52	28	34	14	3	3	42	16	22	0	0	0	53	21	24
ALL MONTHS...	25	15	27	59	29	69	24	8	7	54	27	87	27	19	10	48	19	73	34	26	3	43	17	70
20.0N TO 25.0N																								
AUG AND SEP...	17	4	11	60	33	14	20	11	11	53	26	23	31	17	20	43	14	32	22	14	17	40	18	48
OCT TO JUL...	36	10	11	61	36	24	7	0	1	48	24	11	8	1	3	38	5	10	14	4	6	38	4	7
ALL MONTHS...	26	12	22	61	35	38	19	11	12	51	25	34	28	17	23	42	13	42	20	13	23	40	17	55
15.0N TO 20.0N																								
AUG AND SEP...	24	11	18	28	12	5	16	5	12	24	5	16	12	7	11	24	5	32	21	17	23	25	16	33
OCT TO JUL...	13	6	6	42	8	2	17	3	5	33	7	10	13	6	12	27	4	2	15	7	28	33	9	7
ALL MONTHS...	21	11	24	32	12	7	16	4	17	27	7	26	12	6	23	24	5	34	18	13	51	26	15	40

V. Analysis of ocean Wave Spectra in 15 Frequency Bands for January, 1959

Wave Spectral Analysis in 15 Frequency Bands,
prepared for the Task Force by Code 7700,
U.S. NAVAL OCEANOGRAPHIC OFFICE.

A. INTRODUCTION

The data used in the following wave spectra analyses were obtained from the New York University North Atlantic hindcast tape files, and the analyses were prepared by the U.S. Naval Oceanographic Office. Eight grid points off the East Coast of the United States were selected. The points are located in fig. V-1; their approximate coordinates are:

Grid Point Number	*Latitude*	*Longitude*
122	40N	71W
124	41N	66W
144	36N	74W
168	31N	79W
173	35N	68W
198	32N	74W
224	27N	77W
229	33N	67W

There were four computer printout sections and two sets of graphs. (For the sake of brevity, only two sets of computer printouts are reproduced here.) The data were taken for January 1959, at 6-hour intervals (0000, 0600, 1200, and 1800 GMT); hence there are 128 entries for each grid point. The program describes 15 wave frequency bands, ranging from a low frequency of 0.036 per sec to a high of infinity. The nominal frequency band width is 0.0055 per sec, except that the first listed band width (∞–0.164) is undefined, the second one is four times the nominal frequency band width, the third and fourth are three times, and the fifth and sixth are two times nominal band width.

B. DESCRIPTION OF ANALYSIS

1. Variance Vs Wave Frequency

The first section of the computer printout, table V-1, shows the distribution of variance in ft^2 versus frequency. On the left, the columns are ft^2, from 0.0 to 4.0, across the top are maximum variance in each frequency band; frequency bands are shown in the bottom row. The basic band width is 0.0055 per sec. From the left side, the first listed band width is infinity to 0.164, the second comprises four basic band widths (0.022), the third and fourth columns comprise three basic band widths, the fifth and sixth columns comprise two basic band widths, and the remaining columns all have the basic frequency band width of 0.0055 sec^{-1}. There are eight distributions that correspond to the eight selected grid points and there are 124 variance values in each distribution. (The data were derived from four surface weather maps per day in the 31 days of January 1959.)

2. Variance Density Vs Wave Frequency

The frequency distributions of variance vs wave frequencies just described are based on frequency bands of several widths. When the variance values of that distribution are divided by the band-width, the results become variance *density* and the ordinate of the display changes from ft^2 to ft^2 sec. The second section of the printout (table V-2) shows the variance density vs frequency for the eight grid points. The structure of this display is identical to that of variance vs frequency.

3. Variance Vs Wave Frequency for Maximum Values

The third section of computer printouts (not shown) gives the variance spectra for the four maximum variance values in each of the 15 frequency bands and the significant wave heights, in feet, for each spectrum. The underlined values are considered the four maxima for each frequency interval.

4. Variance Density Vs Wave Frequency for Maximum Values

The final section of computer printouts (not shown) is identical in format to *Variance Versus Frequency for Maximum Values.* However, variance densities are used and the results are spectra of energy density and represent true power spectra.

5. Significant Wave Heights

For each of the eight grid points, the significant wave heights for each 6-hr interval in the month of January 1959 were plotted as height in feet vs day of the month (table V-3).

6. Power Spectra

The graphs (fig. V-10 to 24) are power spectra of waves grouped by 2-ft height intervals. Wave frequency is the linear horizontal scale and variance density is the linear vertical scale.

The foregoing wave analyses are for only one month (January 1969). If required, the same analysis process could be produced for the other months of the year in the North Atlantic to provide for a climatology of wave spectra. The analysis of one month's data demonstrates the great range of sea conditions at a point and the severe sea conditions that sometimes occur.

C. WAVE SPECTRA

1. Grid Points

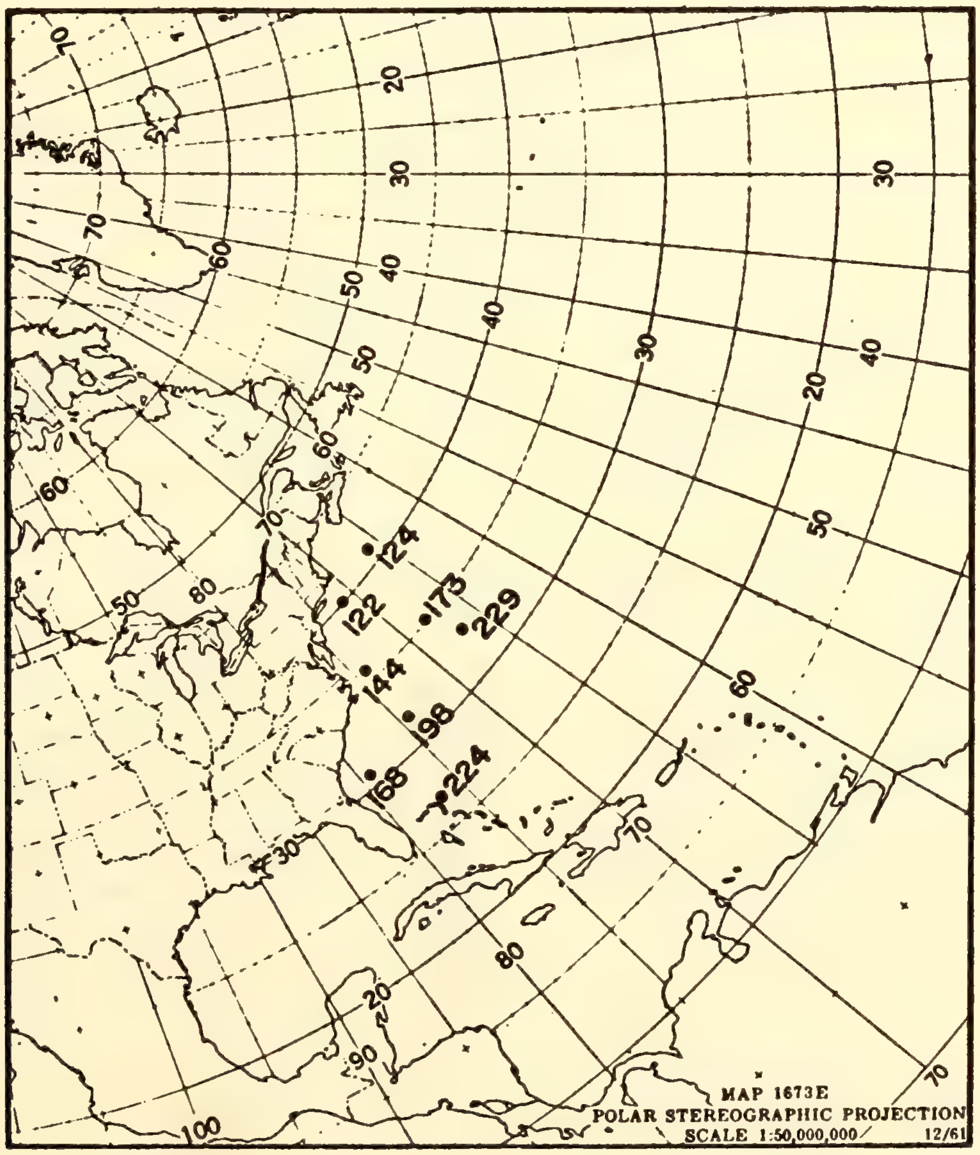


Figure V-1.--Grid points used in wave spectra analysis.

2. Variance Vs Wave Frequency

Table V-1.--Variance (ft^2) of wave height vs wave frequency at grid points for 0000, 0600, 1200, and 1800 GMT, January , 1959

Maximum variance

Variance (ft^2)

```
GRIDPOINT NUMBER  122                    JANUARY 1959
   MAXIMUM VALUES ARE       0,97  0.97  1.25  1,88  1,44  1.16  0,53  0,53  0.59  0.88  0.97  1,19  1.16  0.66  0.78

              GT 4.0
         3.8   - 4.0
         3.6   - 3.8
         3.4   - 3.6
         3.2   - 3.4
         3.0   - 3.2
         2.8   - 3.0
         2.6   - 2.8
         2.4   - 2.6
         2.2   - 2.4
         2.0   - 2.2
         1.8   - 2.0                            2
         1.6   - 1.8
         1.4   - 1.6                            1     1
         1.2   - 1.4                      2     2     2
         1.0   - 1.2                      3     3     2     3                                   2     2
         0.8   - 1.0         17     9     3     5     1     4                       1     3     2     1
         0.6   - 0.8         12     4     4     3     8     5                       2     5     2     1     1     1
         0.4   - 0.6         38    28    19    27    11    10     7     6    10    16     6     7     5     1
         0.2   - 0.4         42    47    55    38    36    29    17    28    16     7    13    11     7     4
        -0.0   - 0.2         15    36    38    43    63    73   100    90    98    98    97   100   108   118   123
FREQUENCY                  00 0.164 0.142 0.125 0.108 0.097 0.086 0.080 0.075 0.069 0.064 0.058 0.053 0.047 0.042 0.036
```

Wave frequency (sec-1)

Maximum variance

Variance (ft^2)

```
GRIDPOINT NUMBER  124                    JANUARY 1959
   MAXIMUM VALUES ARE       1,25  1.38  1,78  3,31  4,06  6.41  3,84  5,09  7.00  6.06  5.66  4,19  2,00  0.38  0.06

              GT 4.0                                  1    11           3     5     2     4     1
         3.8   - 4.0                                  1           1           3     1
         3.6   - 3.8                                  2     1     1                 1
         3.4   - 3.6                                  3     2     1     2     1
         3.2   - 3.4                            5     1     2     3                 2           1
         3.0   - 3.2                            5     1     1     1     2     1     1
         2.8   - 3.0                            2     1     1     1                             1
         2.6   - 2.8                            3     4     1     2     2                 1
         2.4   - 2.6                            2                 1     1           1
         2.2   - 2.4                                  1     1     1                 1     2
         2.0   - 2.2                            3     5     3     1     3     2           1     1     1
         1.8   - 2.0                            1                 2           1     2                 1
         1.6   - 1.8                     11     5           1     1     1     1     1     1     1
         1.4   - 1.6                      6     5     2     1     3     1     2     1     1     1
         1.2   - 1.4          1     9     8     3     7     4     3           1           1     1     1
         1.0   - 1.2         18    12    10     6     4     1     2     2     4           1           1
         0.8   - 1.0         29    17     6    11     6     5     1     4           2           2
         0.6   - 0.8         17    19    11     6     6                 4     1     1     3     1
         0.4   - 0.6         19    10    12     9     7     6     4     1     3     5     2     2     2
         0.2   - 0.4         11    11    14    15    11    15    10     9     4     5     6     5     4     4
        -0.0   - 0.2         29    46    46    43    61    68    85    89    95    98   101   107   114   120   124
FREQUENCY                  00 0.164 0.142 0.125 0.108 0.097 0.086 0.080 0.075 0.069 0.064 0.058 0.053 0.047 0.042 0.036
```

Wave frequency (sec^{-1})

Table V-1.--Continued

```
GRIDPOINT NUMBER  144                JANUARY 1959
   MAXIMUM VALUES ARE     1,16  1.25  1,59  2,97  2,69  2,78  1,41  1,03  1.31  1.50  1,09  1,31  0,53  0.16  0.00

            GT 4.0
        3.8  - 4.0
        3.6  - 3.8
        3.4  - 3.6
        3.2  - 3.4
        3.0  - 3.2
        2.8  - 3.0                               1
        2.6  - 2.8                               1     1     2
        2.4  - 2.6                               3     1     3
        2.2  - 2.4                               2     1
        2.0  - 2.2                               1     2     2
        1.8  - 2.0                               1
        1.6  - 1.8                               1     1     1
        1.4  - 1.6                         6     3           1     2                 1
        1.2  - 1.4                   1     2     3     3                       2                 1
        1.0  - 1.2            11     6     8     6     2     2     2     2     1     1     2     1
        0.8  - 1.0            15     6     6     1     7     4     2     4     4     2     1
        0.6  - 0.8            13    14     7     2     4     3     3     7     5     2     2     3
        0.4  - 0.6            14    13     8     4     7     5     3     6     2     2     1           1
        0.2  - 0.4            18    13     6    13    21    29    23    15    20    19     4           3
       -0.0  - 0.2            53    71    81    82    74    72    89    90    90    97   114   119   120   124   124
FREQUENCY             00 0,164 0.142 0,125 0,108 0.097 0.086 0,080 0.075 0.069 0.064 0.058 0.053 0.047 0.042 0.036


GRIDPOINT NUMBER  168                JANUARY 1959
   MAXIMUM VALUES ARE     1,06  1.06  1.34  1,75  1,50  1.13  0,38  0.47  0.81  1.16  1.25  1,75  1.31  0.72  0.31

            GT 4.0
        3.8  - 4.0
        3.6  - 3.8
        3.4  - 3.6
        3.2  - 3.4
        3.0  - 3.2
        2.8  - 3.0
        2.6  - 2.8
        2.4  - 2.6
        2.2  - 2.4
        2.0  - 2.2
        1.8  - 2.0
        1.6  - 1.8                               2                                               1
        1.4  - 1.6                               1     1
        1.2  - 1.4                         2     2                                         1     1     1
        1.0  - 1.2             3     3     3     3     3     2                       1     1
        0.8  - 1.0            12     5     6     3     2     2                 1     1           1     2
        0.6  - 0.8            21     9     4     4           1                 3     2     4     1           2
        0.4  - 0.6            13    16    13    11     8     6           3     1     1           1     1
        0.2  - 0.4            24    23    27    39    30    35    18    15     6     2     1           1     1     1
       -0.0  - 0.2            51    68    69    59    80    78   106   106   113   117   117   119   119   121   123
FREQUENCY             00 0,164 0.142 0,125 0,108 0.097 0.086 0,080 0.075 0.069 0.064 0.058 0,053 8.047 0,042 0.036
```

Table V-1.--Continued

```
GRIDPOINT NUMBER  173               JANUARY 1959
   MAXIMUM VALUES ARE     1,19  1,25  1,84  3,38  4,09  6,53  4,69  5,97  7,06  8,00  8,78  8,22  3,56  0,91  0,09

               GT 4.0                                2    13     3     6     7     7     4     3
         3.8    - 4.0                                3     1     2     2     1           2
         3.6    - 3.8                                2                 1                       1
         3.4    - 3.6                                2     3                 1                 1     1
         3.2    - 3.4                          8     2     1     3     1     1     2
         3.0    - 3.2                          3     2     2     2     1
         2.8    - 3.0                          3     3     1     1           2                 1     1
         2.6    - 2.8                          2     1     3     1           2     1     2
         2.4    - 2.6                          6     4     3     1     3     1     1     1     1
         2.2    - 2.4                          4     1           1     2           2     4     1
         2.0    - 2.2                          2     3                 1                 1     2
         1.8    - 2.0                    4     3     2     1     2     1     1     1     1           1
         1.6    - 1.8                   12     4     2     2     3           1     1                 2
         1.4    - 1.6                    9     6     3     3     2     1     1           2     2     1
         1.2    - 1.4             10    11     4     4     1     3     3     1     1           1
         1.0    - 1.2       34    34    14     2     4     2     1     2     1     2           2     1
         0.8    - 1.0       18     7     4     4     3     3     2     1     1     1     1           2     2
         0.6    - 0.8       21    10     7    10     8     3     4     2     5     1           1     2     1
         0.4    - 0.6        9    13    10    12     7    10     6     6     2     5     4                 2
         0.2    - 0.4       23    10     7     7    17    23    30    29    24    12     4     6     7     1
        -0.0    - 0.2       19    40    46    44    49    49    57    62    72    87    98   102   106   118   124
FREQUENCY             00 0.164 0.142 0,125 0,108 0.097 0.086 0.080 0.075 0.069 0.064 0.058 0.053 0.047 0.042 0.036


GRIDPOINT NUMBER  198               JANUARY 1959
   MAXIMUM VALUES ARE     1,22  1.22  1,53  2,56  2,38  2,97  1,38  1,47  1,28  1,84  2.03  1,94  1,50  0,69  0,16

               GT 4.0
         3.8    - 4.0
         3.6    - 3.8
         3.4    - 3.6
         3.2    - 3.4
         3.0    - 3.2
         2.8    - 3.0                                      1
         2.6    - 2.8
         2.4    - 2.6                          2           1
         2.2    - 2.4                          2     3
         2.0    - 2.2                          3     1     2                             1
         1.8    - 2.0                          3     2     1                       1           3
         1.6    - 1.8                          2     2     2                             2
         1.4    - 1.6                    6     1     2     3           1           2     1           2
         1.2    - 1.4        1     1     2     5     2           1           1
         1.0    - 1.2        8     5     8     2     4     5     2     1     4     2
         0.8    - 1.0       19    14     8     7     2     1     2     3     3
         0.6    - 0.8       16    12     9     4                 6     4     3     3     1           1     1
         0.4    - 0.6       25    13    10    14    10    11    11    12     5     6     5     2           1
         0.2    - 0.4       29    20    28    29    33    46    21    26    19     6     4     4     1
        -0.0    - 0.2       26    59    53    50    63    51    81    77    89   104   110   115   120   122   124
FRFQUENCY             00 0,164 0.142 0,125 0,108 0.097 0,086 0,080 0,075 0,069 0.064 0.058 0,053 0.047 0.042 0.036
```

Table V-1.--Concluded

```
GRIDPOINT NUMBER  224                  JANUARY 1959
   MAXIMUM VALUES ARE   1.16  0.97  1.19  1.72  1.44  1.34  0.56  0.66  0.59  0.72  0.63  0.44  0.22  0.13  0.34

          GT 4.0
     3.8   - 4.0
     3.6   - 3.8
     3.4   - 3.6
     3.2   - 3.4
     3.0   - 3.2
     2.8   - 3.0
     2.6   - 2.8
     2.4   - 2.6
     2.2   - 2.4
     2.0   - 2.2
     1.8   - 2.0
     1.6   - 1.8                           1
     1.4   - 1.6                           5     1
     1.2   - 1.4                           1     1     2
     1.0   - 1.2           5           7     6     3     3
     0.8   - 1.0          17     9     4     9     6     4
     0.6   - 0.8           9    15    11    10     3     3           1           2     1
     0.4   - 0.6          29    21    23    32    14    11     8     5     6     8     6     1
     0.2   - 0.4          39    40    43    26    46    50    20    22    16     8     7     8     1           1
    -0.0   - 0.2          25    39    36    34    50    51    96    96   102   106   110   115   123   124   123
FREQUENCY           00 0.164 0.142 0.125 0.108 0.097 0.086 0.080 0.075 0.069 0.064 0.058 0.053 0.047 0.042 0.036


GRIDPOINT NUMBER  229                  JANUARY 1959
   MAXIMUM VALUES ARE   1.19  1.25  1.88  3.53  3.66  6.94  4.94  5.89  5.66  7.25  8.53  5.75  3.59  1.28  0.28

          GT 4.0                                       6     2     4     4     4     4     3
     3.8   - 4.0                                       1                 1     1     1
     3.6   - 3.8                                 1     1     1     1           2
     3.4   - 3.6                           1     1     2                 1                 1     1
     3.2   - 3.4                           1     2     4
     3.0   - 3.2                                 1     2           1     1
     2.8   - 3.0                                       4     1     1     1     2     2           1
     2.6   - 2.8                           3     1     2     1     1     2           3     1
     2.4   - 2.6                           7     8     2     5     2     1     2                 1
     2.2   - 2.4                           6     7     1     2     5     2     1           3     1
     2.0   - 2.2                          10     3     2     3     2     1           3     1
     1.8   - 2.0                     1     4     4     3                 2     2
     1.6   - 1.8                     2     6     3     1     4     2     1     1           1     1
     1.4   - 1.6                    13     4     4     7     1     1     2     2           1     1
     1.2   - 1.4               2    13     9     5     2     4     4     1     1     1     1     2     1
     1.0   - 1.2          18    23    17     3     4     1     3     4     3           4     1     2
     0.8   - 1.0          22    10    10     3     7     5     3     1     1     2     2     2     3
     0.6   - 0.8          21    22     3     7     6     7     5     4     2     3           1     1     2
     0.4   - 0.6          18     8     8     5     6    21    11     7     5     5     8     9     3     5
     0.2   - 0.4          11    12    13    23    27    25    46    45    35    17    12     7     7     8     1
    -0.0   - 0.2          34    47    44    32    34    25    32    39    58    79    84    92   100   108   123
FREQUENCY           00 0.164 0.142 0.125 0.108 0.097 0.086 0.080 0.075 0.069 0.064 0.058 0.053 0.047 0.042 0.036
```

3. Variance Density Vs Wave Frequency

Table V-2.--Variance density (ft^2 sec) of wave height vs wave frequency at grid points for 0000, 0600, 1200, and 1800 GMT, January, 1959

Maximum variance density

GRIDPOINT NUMBER 122

JANUARY 1959

Variance density (ft^2sec)

MAXIMUM VALUES ARE	44.03	73,53	110.29	130,68	105,11	88,54	106.25	98,96	175.00	161.46	237.50	192.71	131.25	130.21
GT1000														
950 - 1000														
900 - 950														
850 - 900														
800 - 850														
750 - 800														
700 - 750														
650 - 700														
600 - 650														
550 - 600														
500 - 550														
450 - 500														
400 - 450														
350 - 400														
300 - 350														
250 - 300														
200 - 250											2			
150 - 200									2	3	2	2		
100 - 150			2	3	1		1		6	5	2	2	1	1
50 - 100		7	7	12	13	15	18	12	16	14	13	8	2	
0 - 50	124	117	115	109	110	109	105	112	100	102	105	112	121	123

Wave frequency (sec-1)

Maximum variance density

GRIDPOINT NUMBER 124

JANUARY 1959

Variance density (ft^2sec)

MAXIMUM VALUES ARE	62.50	104,78	194,85	369,32	582.39	640,63	1018.75	1166.67	1212.50	942.71	837.50	333.33	75.00	10.42
GT1000							1	1	2					
950 - 1000							1							
900 - 950										1				
850 - 900								1		1				
800 - 850							1	1			1			
750 - 800									1					
700 - 750								1	1	2				
650 - 700							2	3	2		1			
600 - 650						2	2	1	1					
550 - 600					1	3		1			1			
500 - 550						2	2	1	1					
450 - 500					6	2	1			1				
400 - 450					2	2	3		1		1			
350 - 400				1	2	1	1		2	2				
300 - 350				6	5	3	1	3	1	1	1	2		
250 - 300				3	2	3		2	1	1	1			
200 - 250				5	2	4	2	2		2	1	1		
150 - 200			15	5	4	3	5	4	2	1	2	1		
100 - 150		6	8	12	5		4	1	1	3	1			
50 - 100	12	34	22	14	8	10	5	3	7	2	5	4	4	
0 - 50	112	84	79	78	87	89	93	99	101	107	109	116	120	124

Wave frequency (sec-1)

Table V-2.--Continued

```
GRIDPOINT NUMBER  144                  JANUARY 1959
MAXIMUM VALUES ARE          56.82      174.63      252.84      206.25      300.00      262.50       31.25
                                  93.75      244.32      234.38      218.75      182.29       88.54        0.00

             GT1000
        950  - 1000
        900  -  950
        850  -  900
        800  -  850
        750  -  800
        700  -  750
        650  -  700
        600  -  650
        550  -  600
        500  -  550
        450  -  500
        400  -  450
        350  -  400
        300  -  350
        250  -  300                                  1                       1           1
        200  -  250                            3     4     2     1     2     1           1
        150  -  200                      2     3     2     3     5     3     2     2     1
        100  -  150                      7     4     3     4     9     7     3     3     2
         50  -  100           3    20    13    14     8     9     8     9    11     2           2
          0  -   50         121   104   102   100   106   106   101   103   106   117   119   122   124   124


GRIDPOINT NUMBER  168                  JANUARY 1959
MAXIMUM VALUES ARE          48.30      102.94      102.27       93.75      231.25      350.00      143.75
                                  79.04      136.36       62.50      135.42      208.33      218.75       52.08

             GT1000
        950  - 1000
        900  -  950
        850  -  900
        800  -  850
        750  -  800
        700  -  750
        650  -  700
        600  -  650
        550  -  600
        500  -  550
        450  -  500
        400  -  450
        350  -  400
        300  -  350                                                                      1
        250  -  300                                                                      1
        200  -  250                                                          1     1           1
        150  -  200                                                          1     1     1     1
        100  -  150                      2     1     1                 4     2     4     1     1     2
         50  -  100                7     8     6     4     4     5     2     1           1     1     1     1
          0  -   50         124   117   114   117   119   120   119   118   119   118   119   120   121   123
```

Table V-2.--Continued

```
GRIDPOINT NUMBER  173                   JANUARY 1959
MAXIMUM VALUES ARE          56.82      190.53     593.75     1193.75     1600.00     1643.75     181.25
                                 100.46     372.16     781.25     1177.08     1463.54     593.75      15.63

           GT1000
   950  - 1000                                                3     2     5     2     2
   900  -  950                                                1     1     1
   850  -  900                                                            1     1
   800  -  850                                                1                       1
   750  -  800                                                1     2
   700  -  750                                          1     2
   650  -  700                                          1     1                       2
   600  -  650                                          1     1     3           2
   550  -  600                                          2     1           2     1
   500  -  550                                    4                 1                 1     1
   450  -  500                                    2     5     3     1     1
   400  -  450                                    2     2     2     3     3     2     2     1
   350  -  400                                    3     1     1     2           1     1
   300  -  350                              3     3     1     1           1     5     1
   250  -  300                              7     4     2     1     1     1     1           1
   200  -  250                              6     3     3     2     1     2     2     3     3
   150  -  200                        17    6     6     5     3     2     2           2
   100  -  150                        17    5     2     2     1     1     2           1     2     2
    50  -  100                  14    16   10     5     5     2     6     4     1           3     3
     0  -   50            25    39    14   12    12    16     8     8     5     6     3     1
                          99    71    74   73    78    81    81    90    93   101   102   110   118   124

GRIDPOINT NUMBER  190                   JANUARY 1959
MAXIMUM VALUES ARE          55.40      190.74     269.09      293.75     308.75      307.50     137.50
                                  90.07     215.91     279.17      213.54     330.94      250.00      20.04

           GT1000
   950  - 1000
   900  -  950
   850  -  900
   800  -  850
   750  -  800
   700  -  750
   650  -  700
   600  -  650
   550  -  600
   500  -  550
   450  -  500
   400  -  450
   350  -  400                                                            1           3
   300  -  350                                                            2     1
   250  -  300                                    1           1                 3
   200  -  250                              3     1     1     1     1     2                 2
   150  -  200                        1     4     5     2     5     5
   100  -  150                        9     7     5     8     5     5     5     1           1     2
    50  -  100             3    20    14    6     7    13    20    13     8     8     6
     0  -   50           121   104   100  104   105   100    92   100   106   111   115   121   122   124
```

Table V-2.--Concluded

```
GRIDPOINT NUMBER  224               JANUARY 1959
MAXIMUM VALUES ARE     44.03            101.10            122.16            131.25            143.75             87.50             25.00
                               69.85            130.68             93.75             98.96            104.17             36.46             57.29

      GT1000
 950  - 1000
 900  -  950
 850  -  900
 800  -  850
 750  -  800
 700  -  750
 650  -  700
 600  -  650
 550  -  600
 500  -  550
 450  -  500
 400  -  450
 350  -  400
 300  -  350
 250  -  300
 200  -  250
 150  -  200
 100  -  150                       1       2       2               2               6       1
  50  -  100               9      17      15      13      11      20      11      10      12       9                       1
   0  -   50     124     115     106     107     109     113     102     113     108     111     115     124     124     123


GRIDPOINT NUMBER  229               JANUARY 1959
MAXIMUM VALUES ARE     56.82            207.72            630.68           1018.75           1450.00           1150.00            256.25
                              110.29            332.39            822.92            942.71           1421.88            598.96             46.88

      GT1000                                                     1               4       2       1
 950  - 1000
 900  -  950                                                     2       2
 850  -  900                                                             1                       2
 800  -  850                                             1       1       1               1
 750  -  800                                                                     1
 700  -  750                                             1       1               2       1       1
 650  -  700                                                                             1
 600  -  650                                     1       1       1       1
 550  -  600                                                     1       1       2               1       1
 500  -  550                                     1               1       1       1
 450  -  500                                     2       1       5       2       1       5               1
 400  -  450                                     1       6       4       2       1               4       1
 350  -  400                                     2       3               2       2       1       1       1
 300  -  350                             2       7       2       3       3       1       2       1
 250  -  300                             3       7       5       4       3       3               1       1       1
 200  -  250                     1      16       4       4       4       1               1       1       3
 150  -  200                     5      10       5       6       1       3       2       6       2       4
 100  -  150             2      27      10      10       5       8       3       5               3       2       5
  50  -  100       8      50      23      17      17      33      26      15       9      11      10       7       7
   0  -   50     116      72      68      66      67      56      61      83      90      93      96     103     111     124
```

4. Time Cross Section of Significant Wave Height

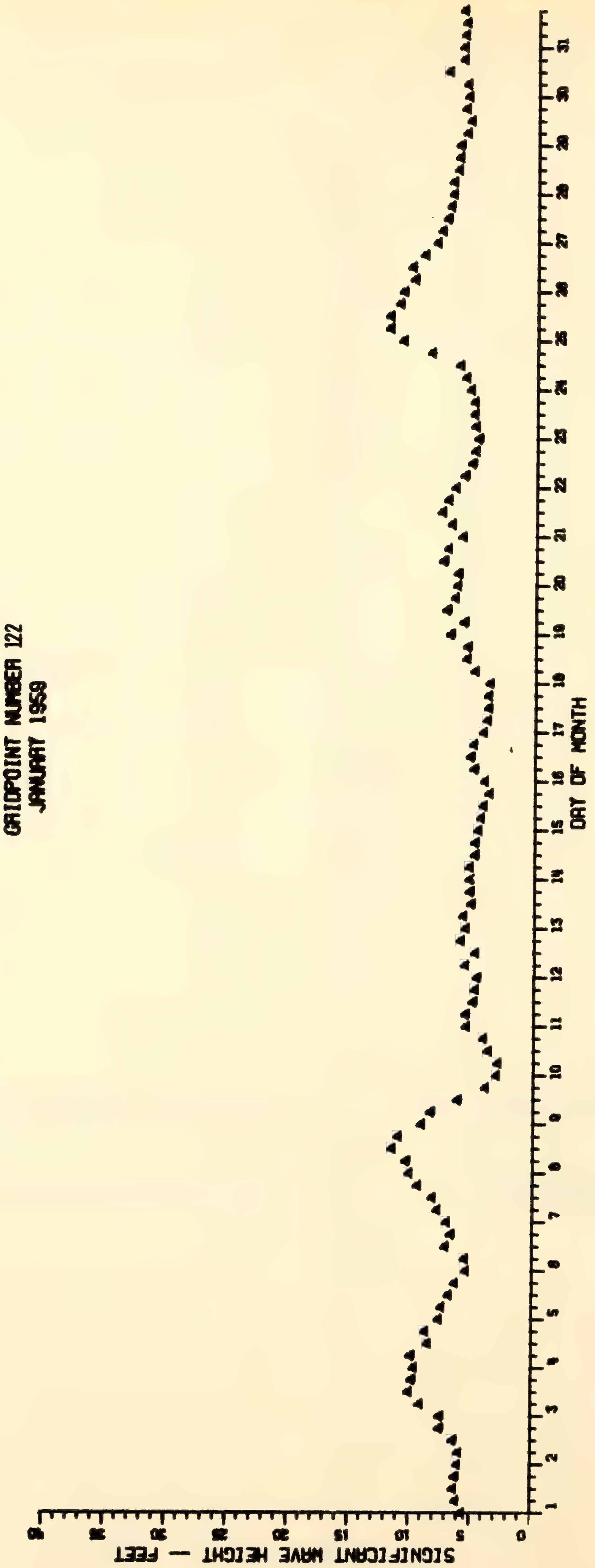


Figure V-2.--Time cross section of significant wave height, by gridpoint: 122.

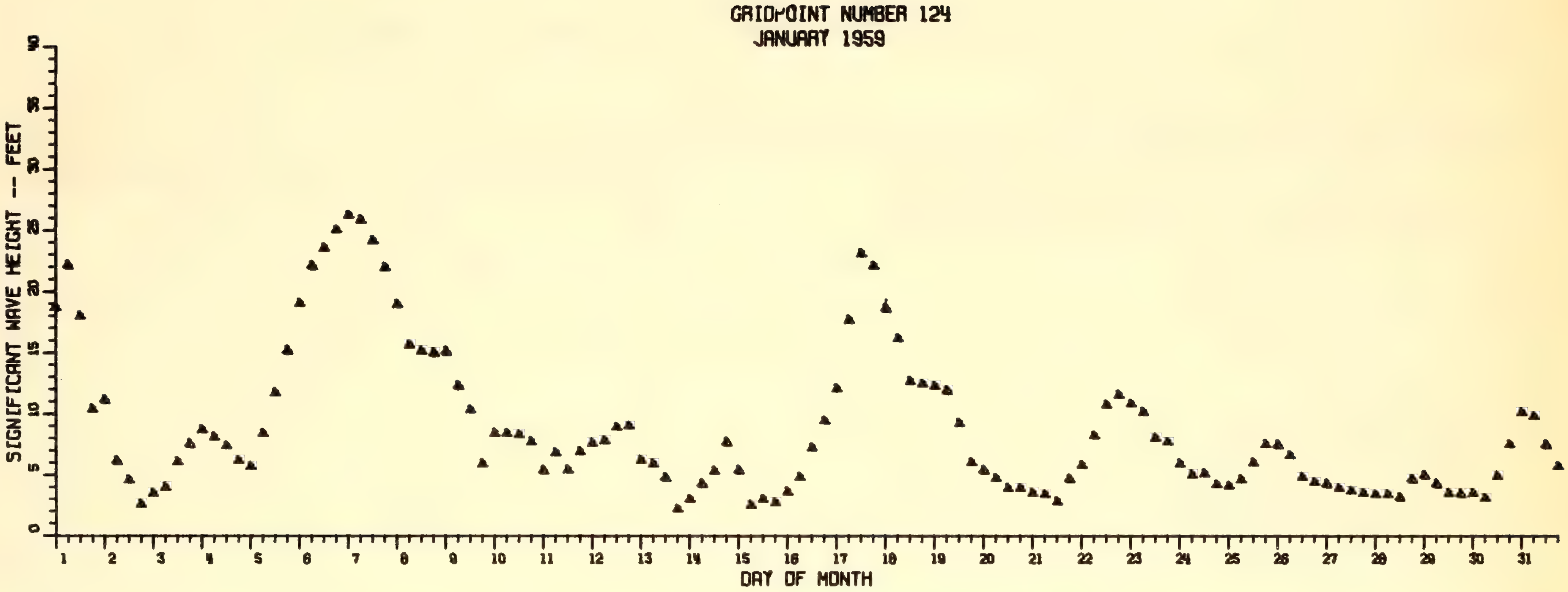


Figure V-3.--Time cross section of significant wave height, by gridpoint: 124.

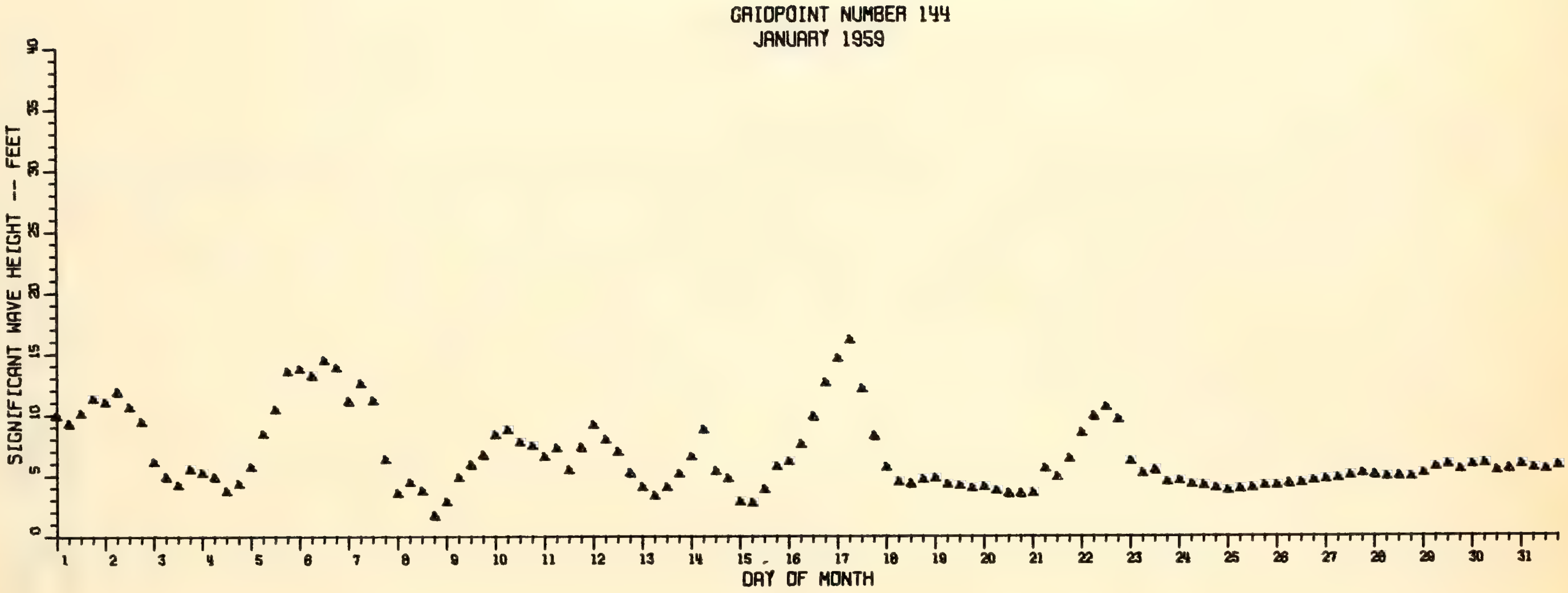


Figure V-4.--Time cross section of significant wave height, by gridpoint: 144.

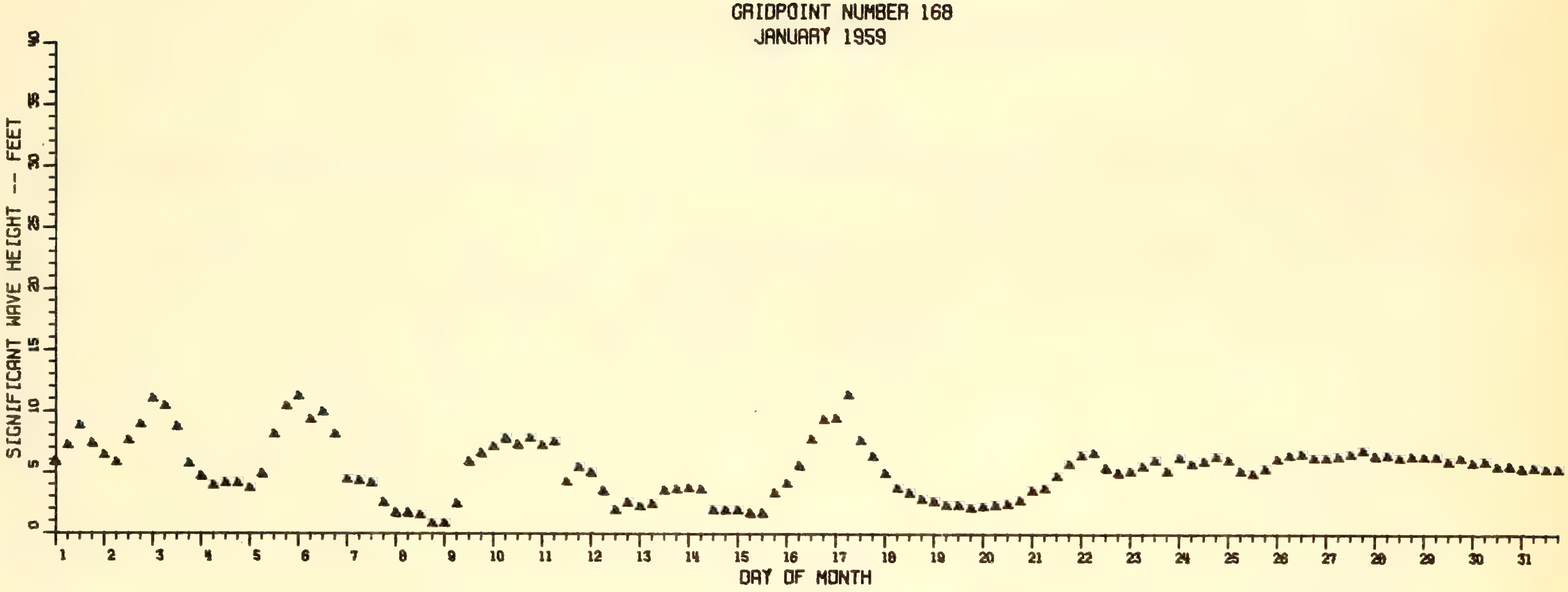


Figure V-5.--Time cross section of significant wave height, by gridpoint: 168.

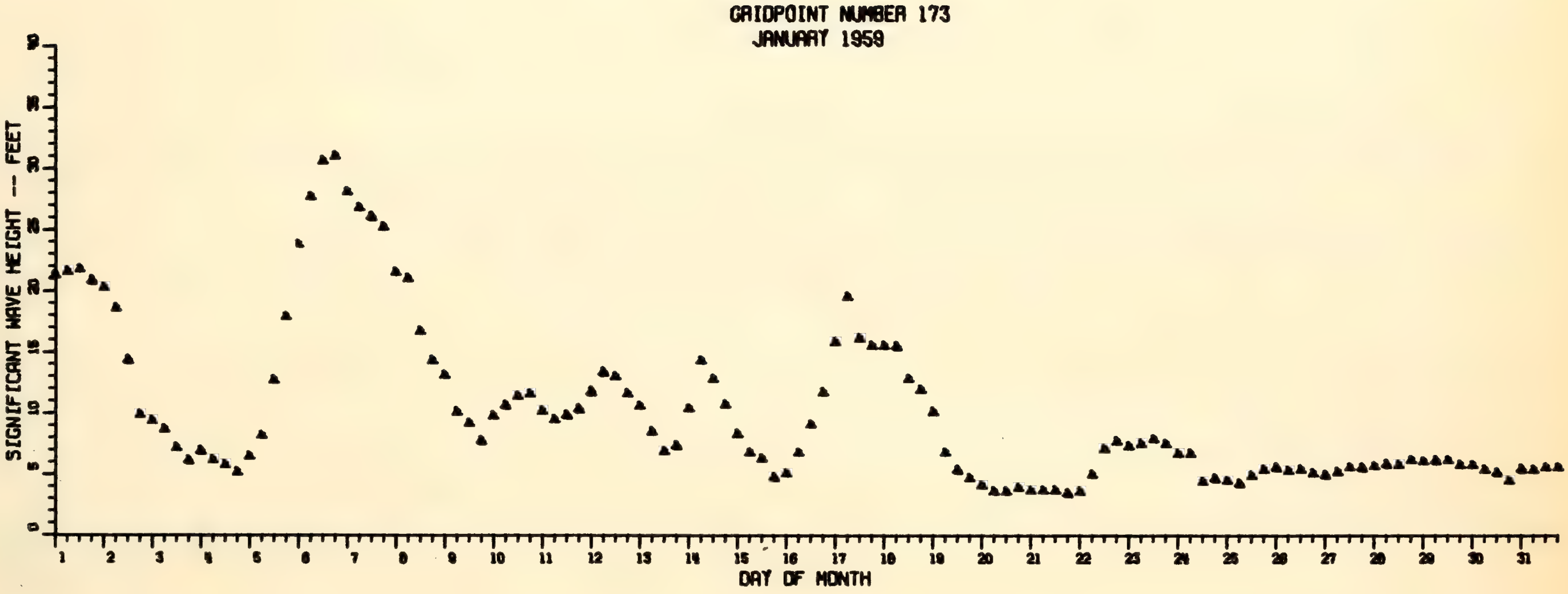


Figure V-6.--Time cross section of significant wave height, by gridpoint: 173.

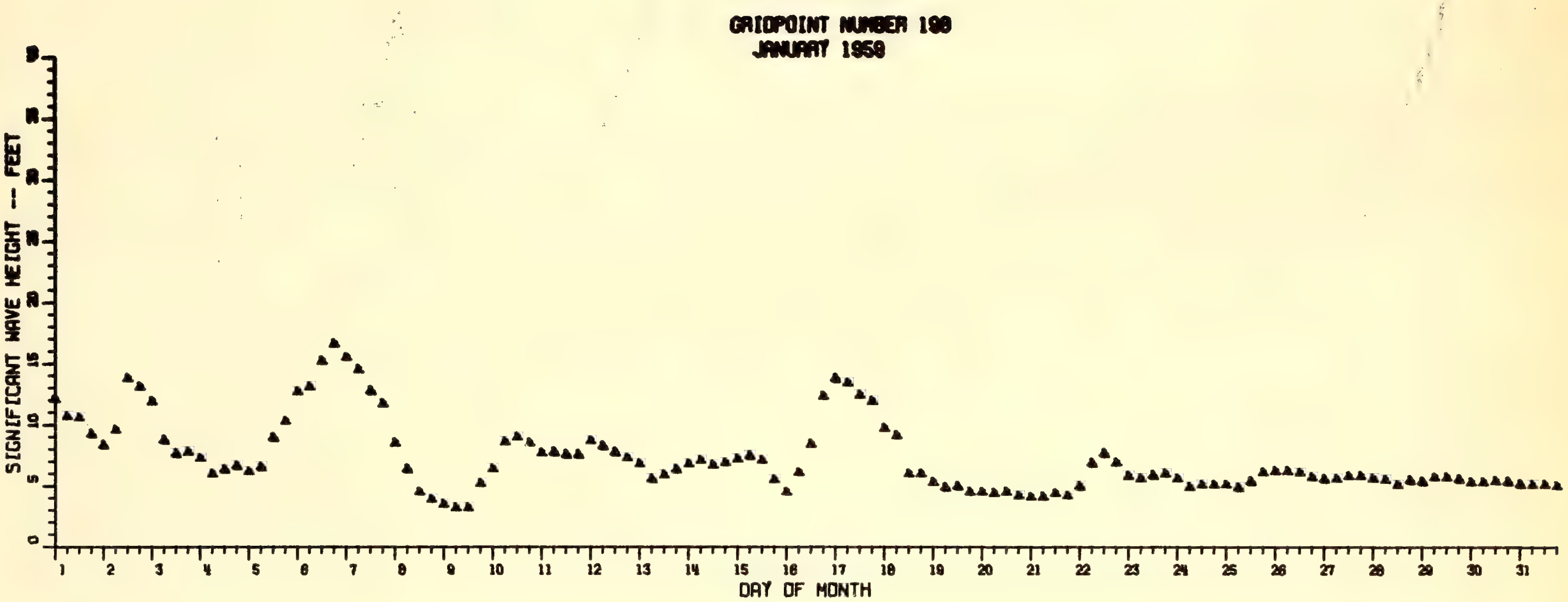


Figure V-7.--Time cross section of significant wave height, by gridpoint: 198.

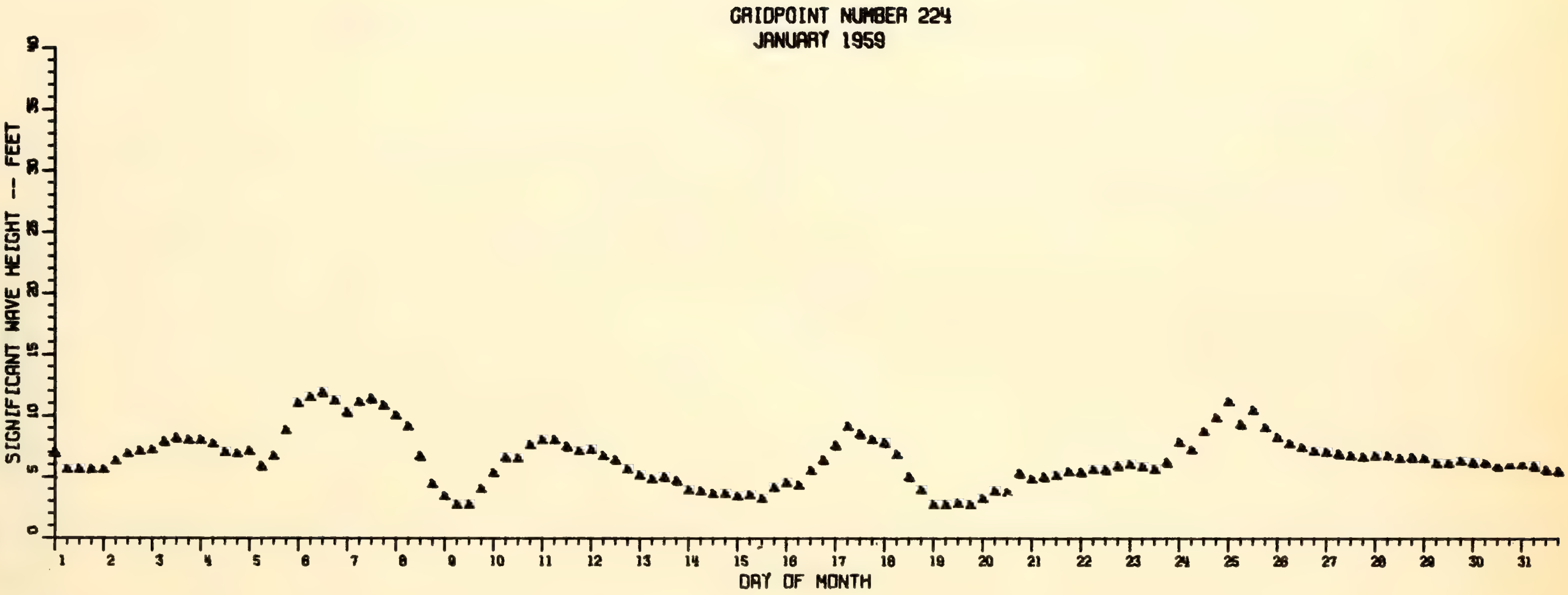


Figure V-8.--Time cross section of significant wave height, by gridpoint: 224.

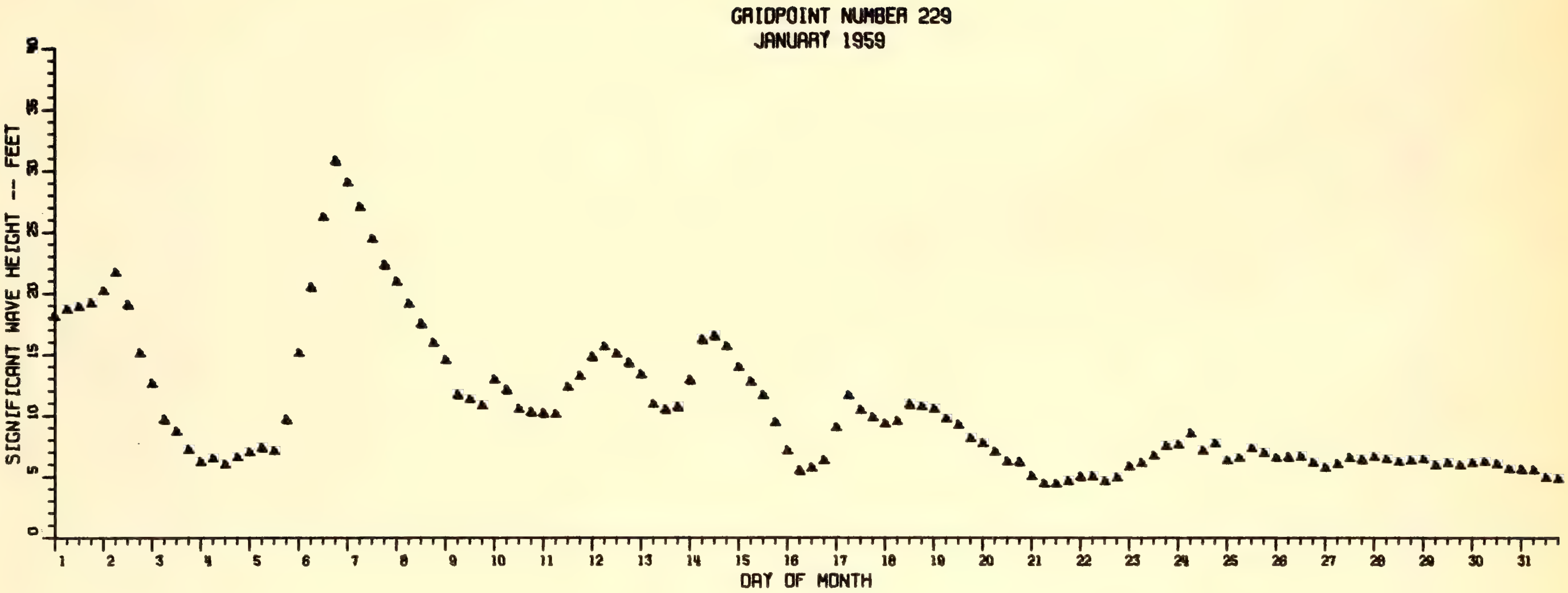


Figure V-9.--Time cross section of significant wave height, by gridpoint: 229.

5. Wave Spectra (Frequency vs Variance Density) for Various Significant Wave Heights

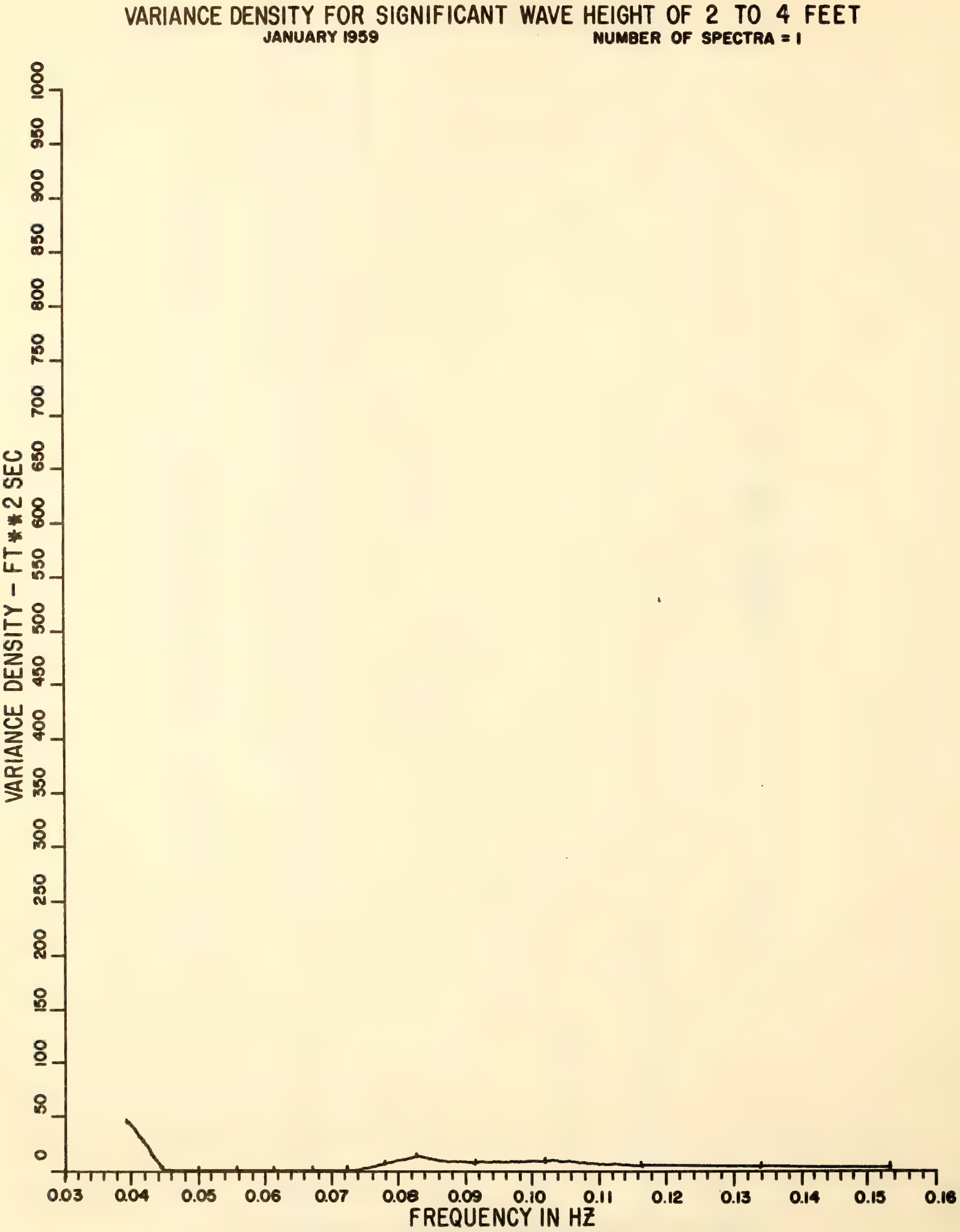


Figure V-10.--Wave spectra by wave height interval (ft), 2 to 4 ft.

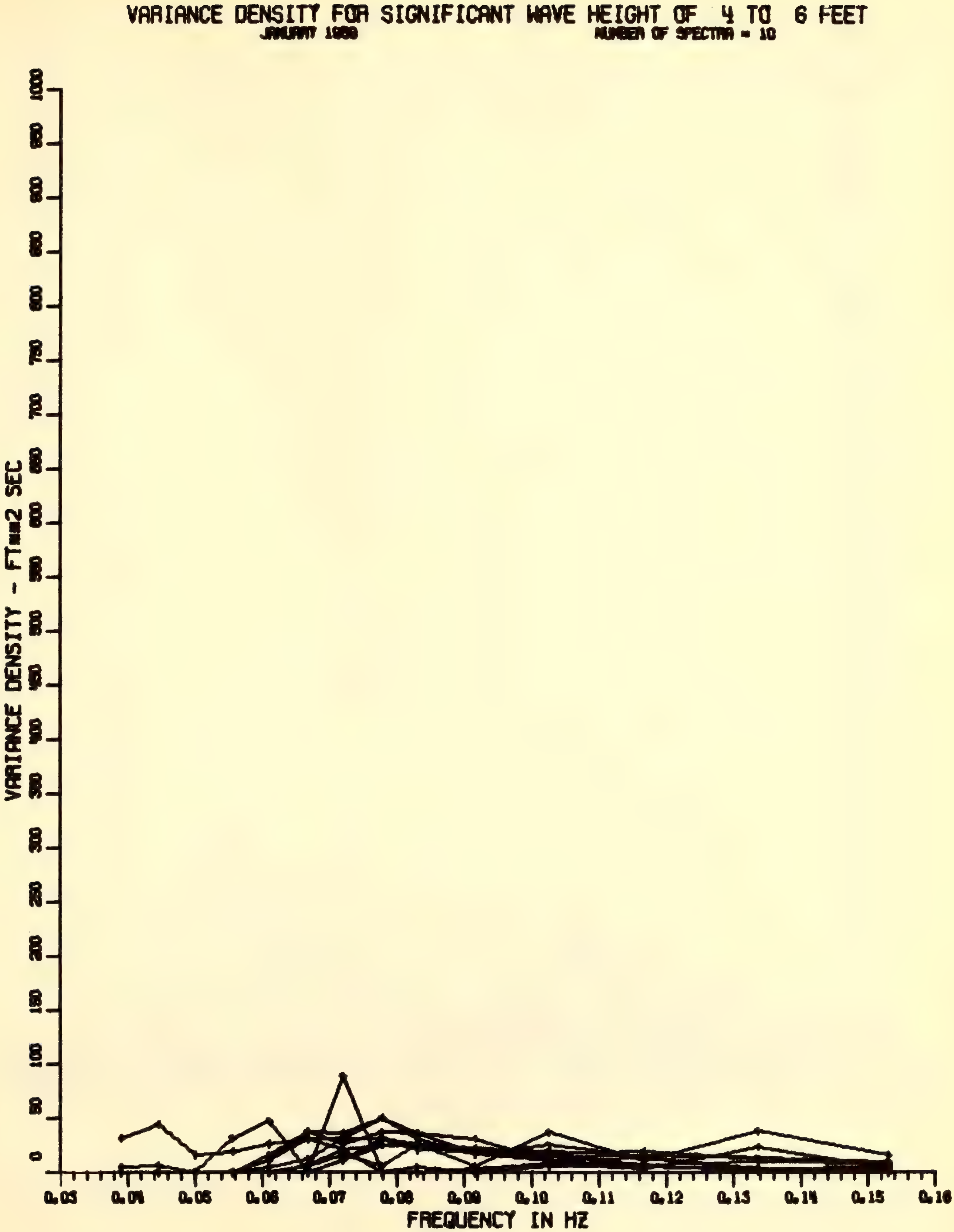


Figure V-11.--Wave spectra by wave height interval (ft), 4 to 6 ft.

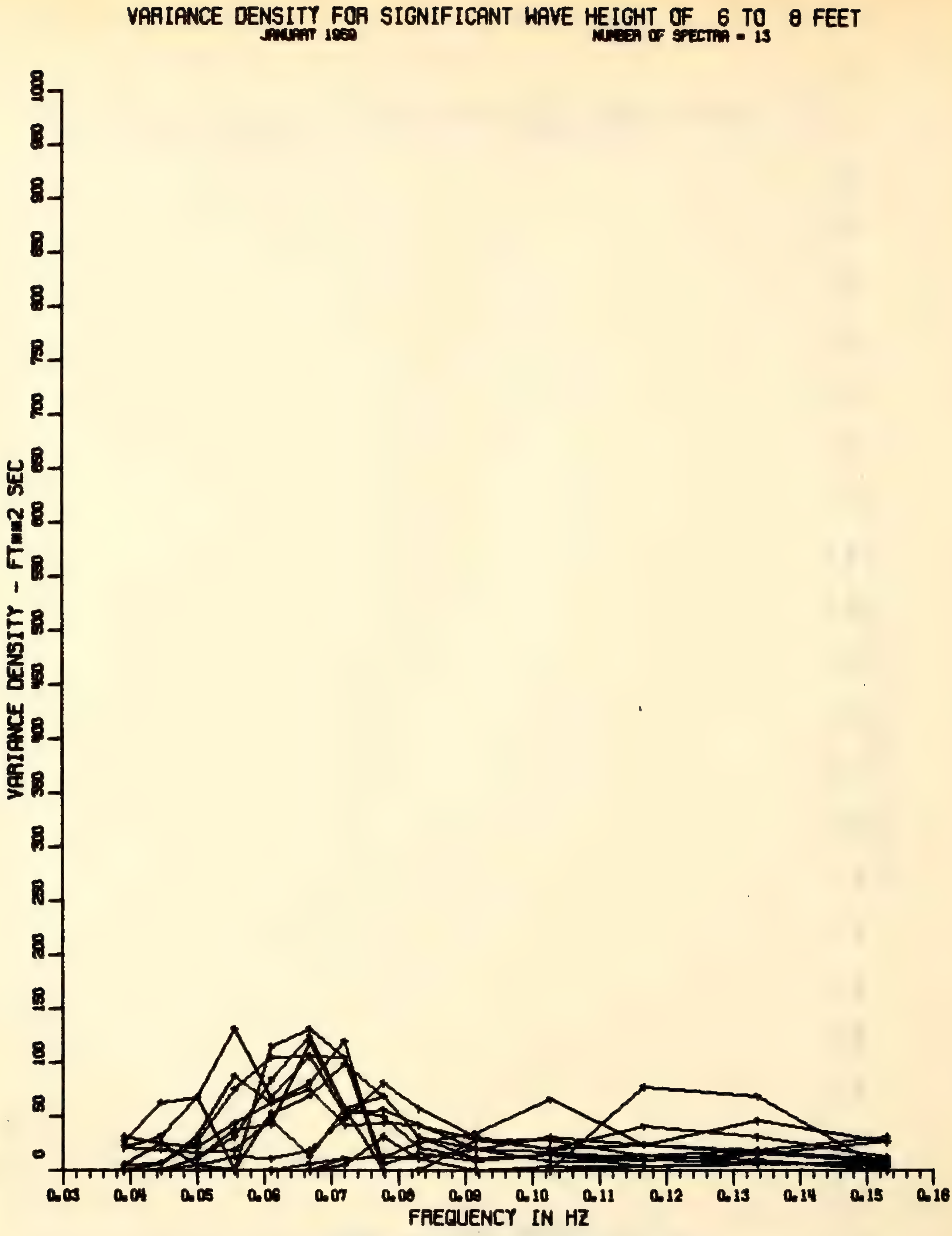


Figure V-12.--Wave spectra by wave height interval (ft), 6 to 8 ft.

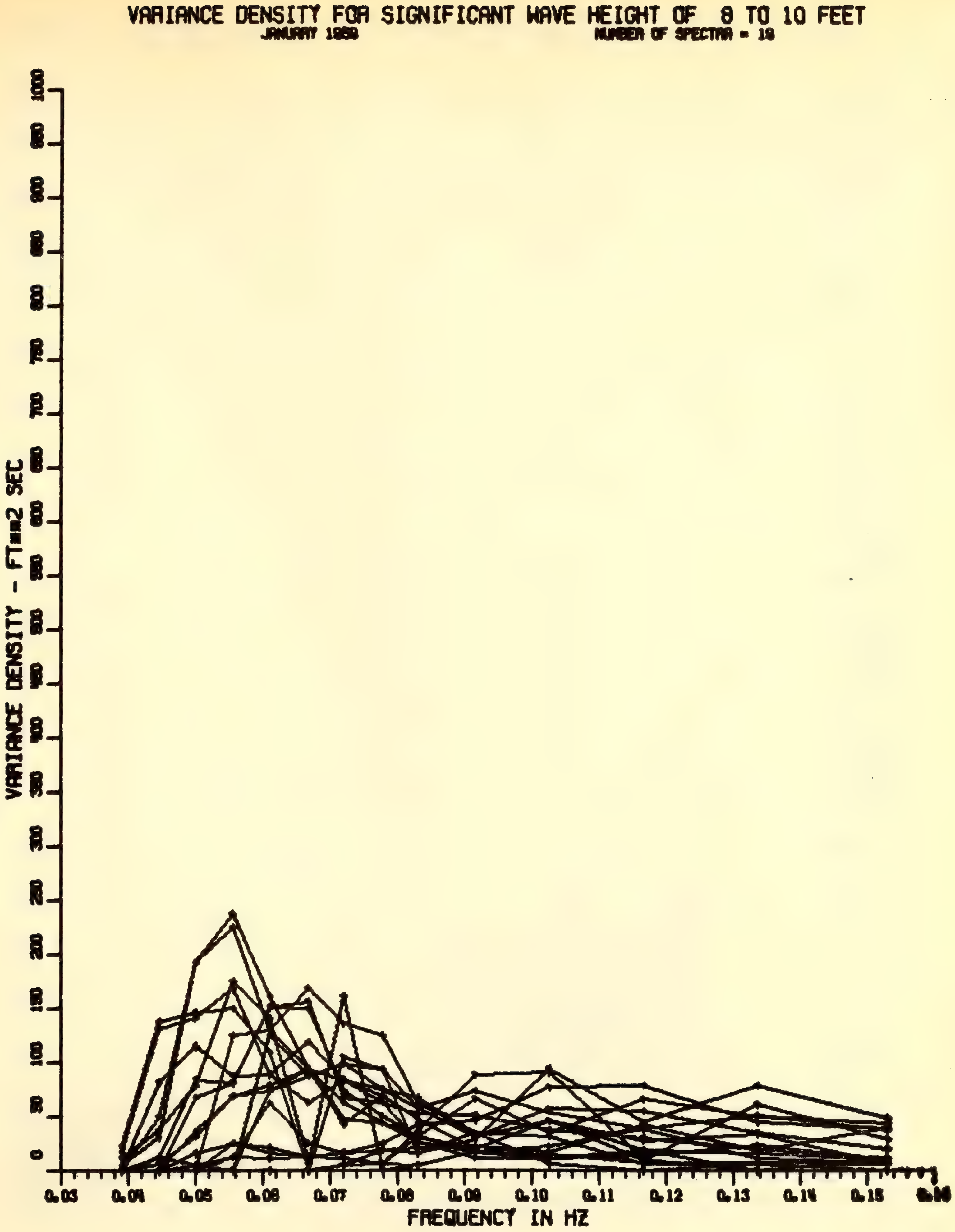


Figure V-13.--Wave spectra by wave height interval (ft), 8 to 10 ft.

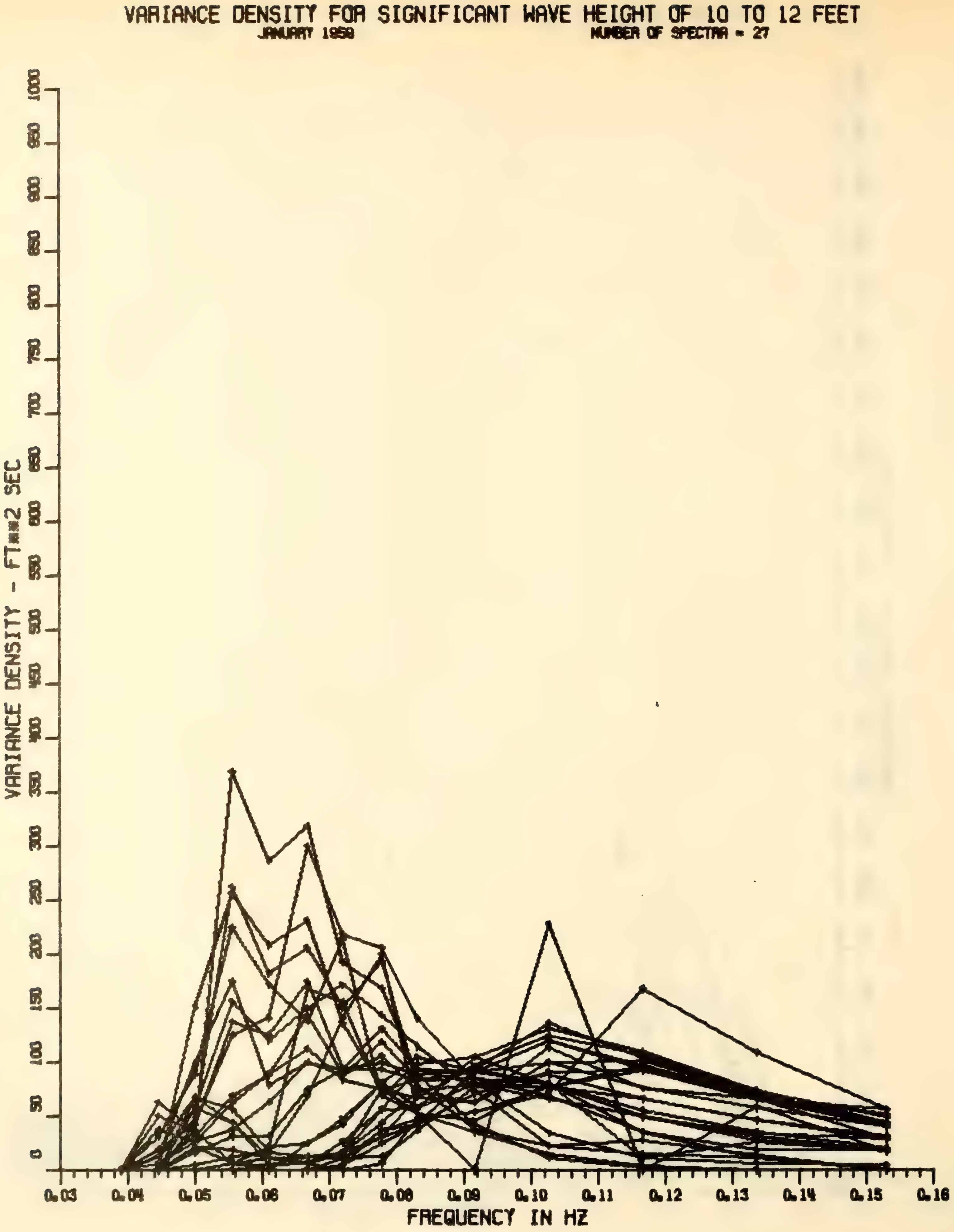


Figure V-14.--Wave spectra by wave height interval (ft), 10 to 12 ft.

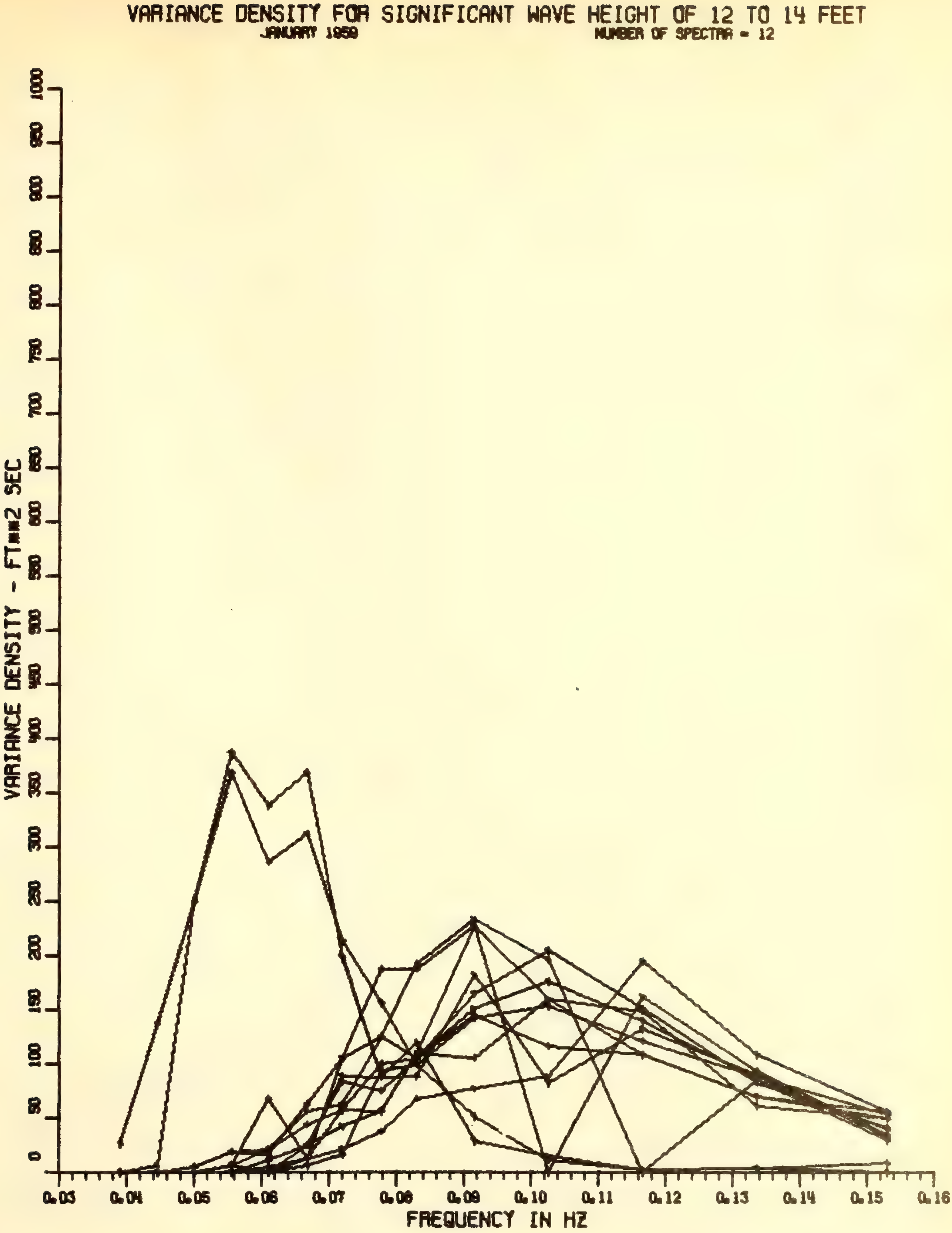


Figure V-15.--Wave spectra by wave height interval (ft), 12 to 14 ft.

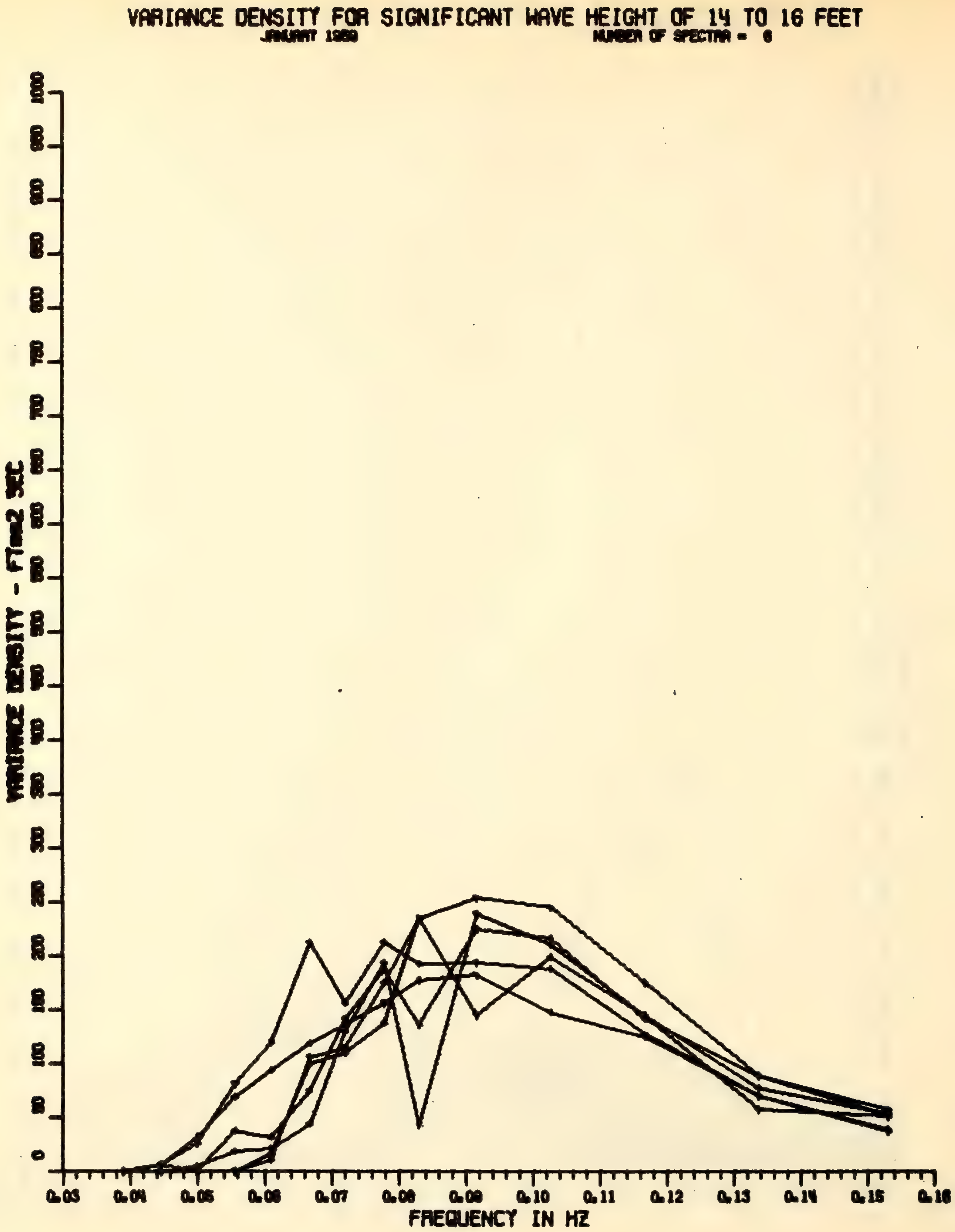


Figure V-16.--Wave spectra by wave height interval (ft), 14 to 16 ft.

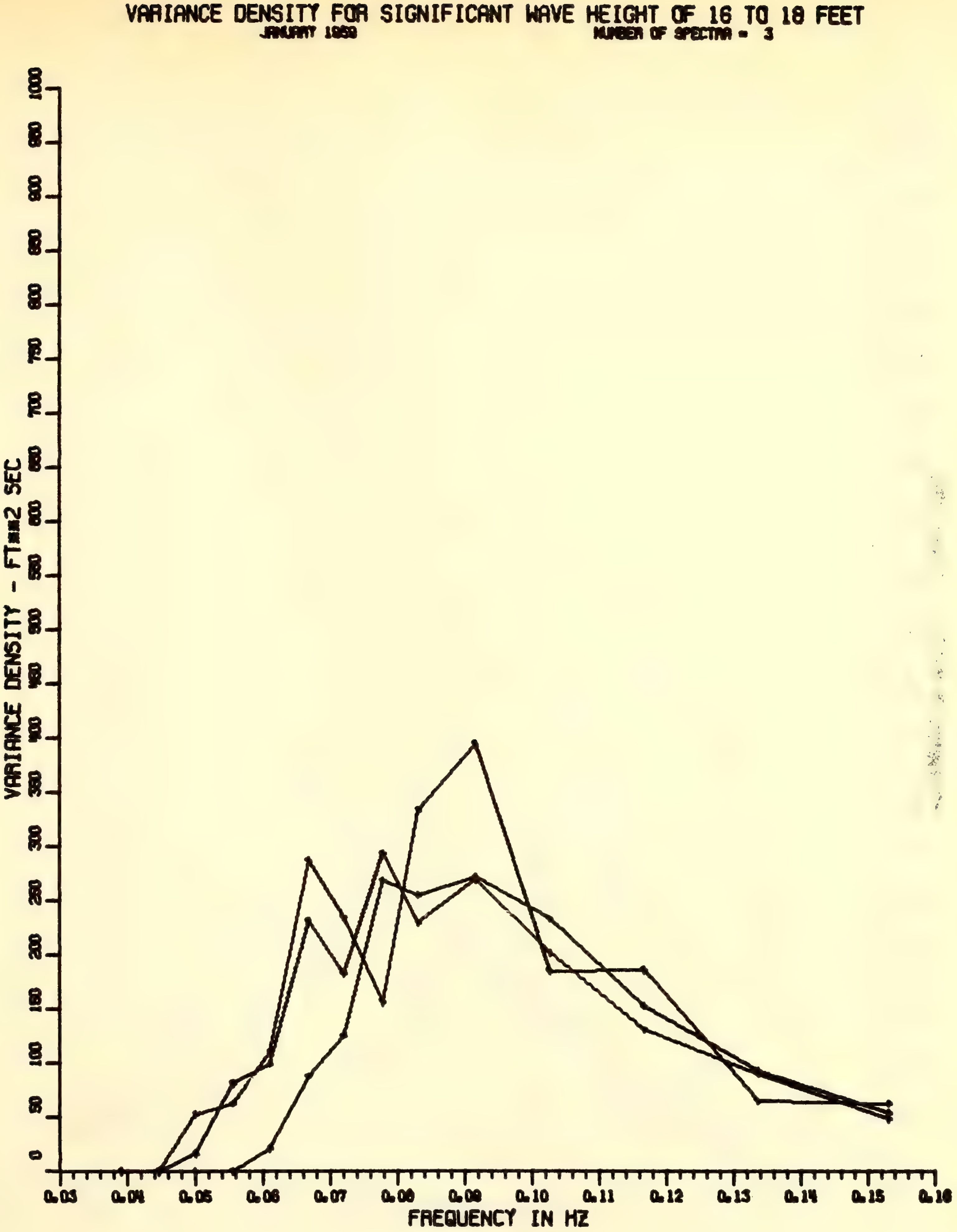


Figure V-17.--Wave spectra by wave height interval (ft), 16 to 18 ft.

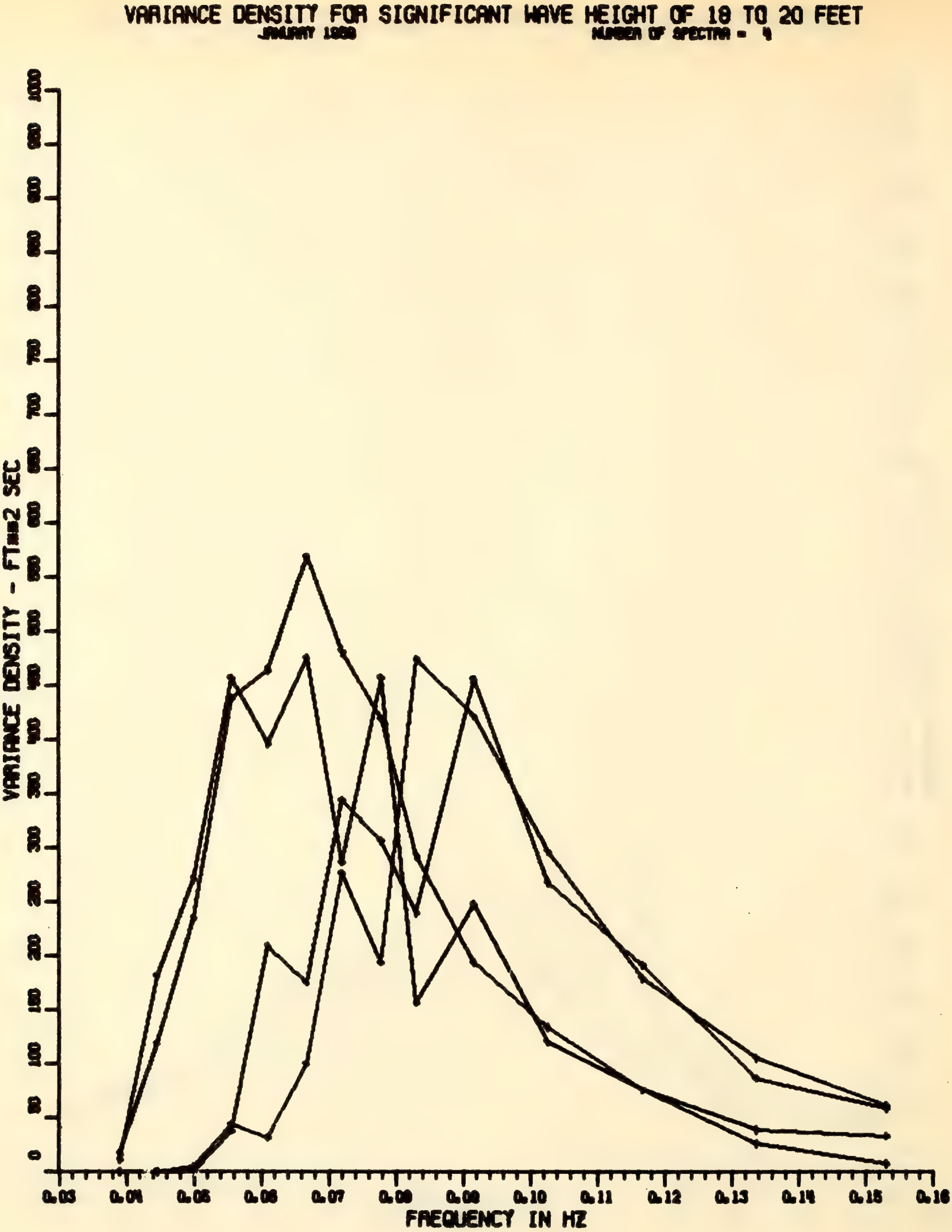


Figure V-18.--Wave spectra by wave height interval (ft), 18 to 20 ft.

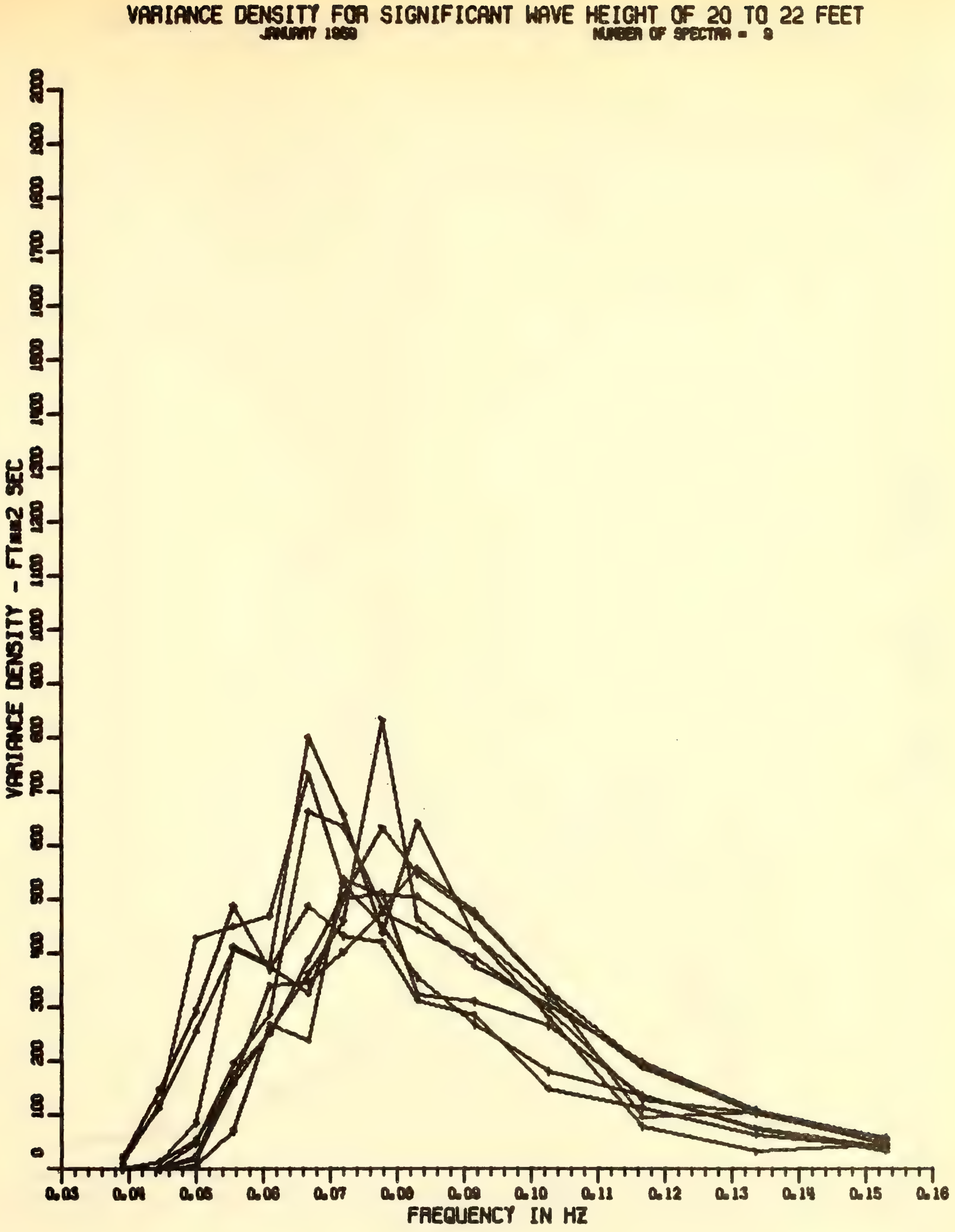


Figure V-19.--Wave spectra by wave height interval (ft), 20 to 22 ft.

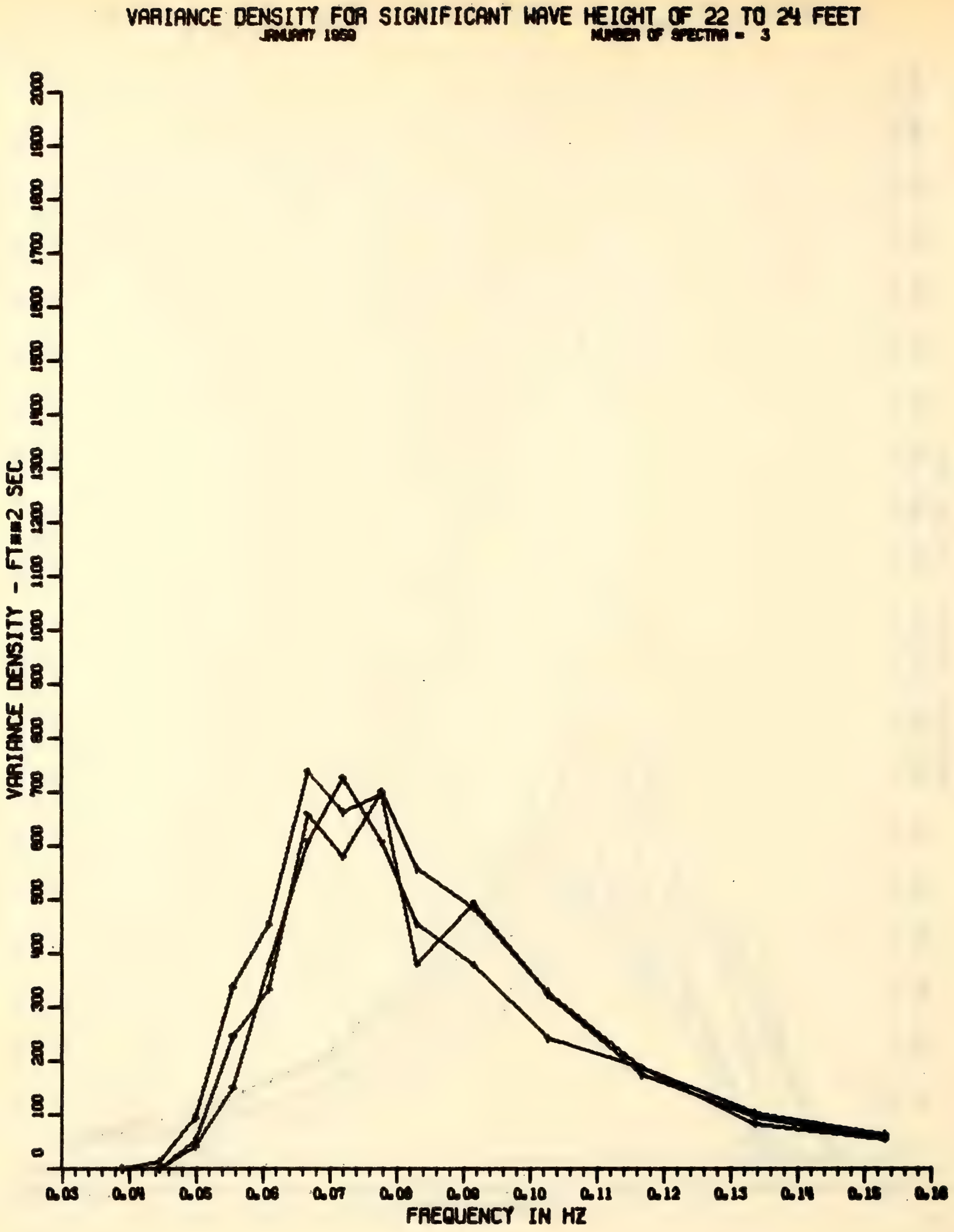


Figure V-20.--Wave spectra by wave height interval (ft), 22 to 24 ft.

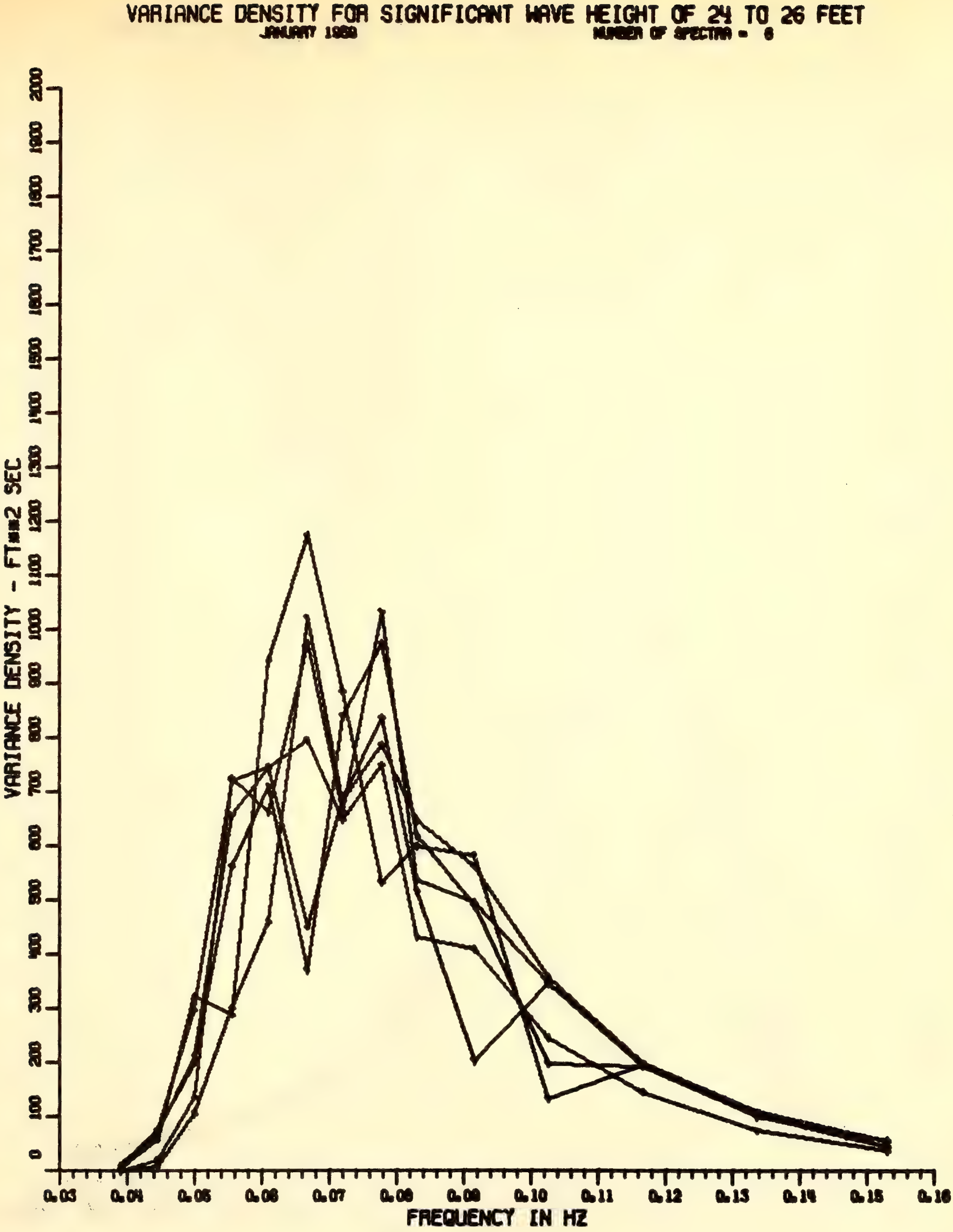


Figure V-21.--Wave spectra by wave height interval (ft), 24 to 26 ft.

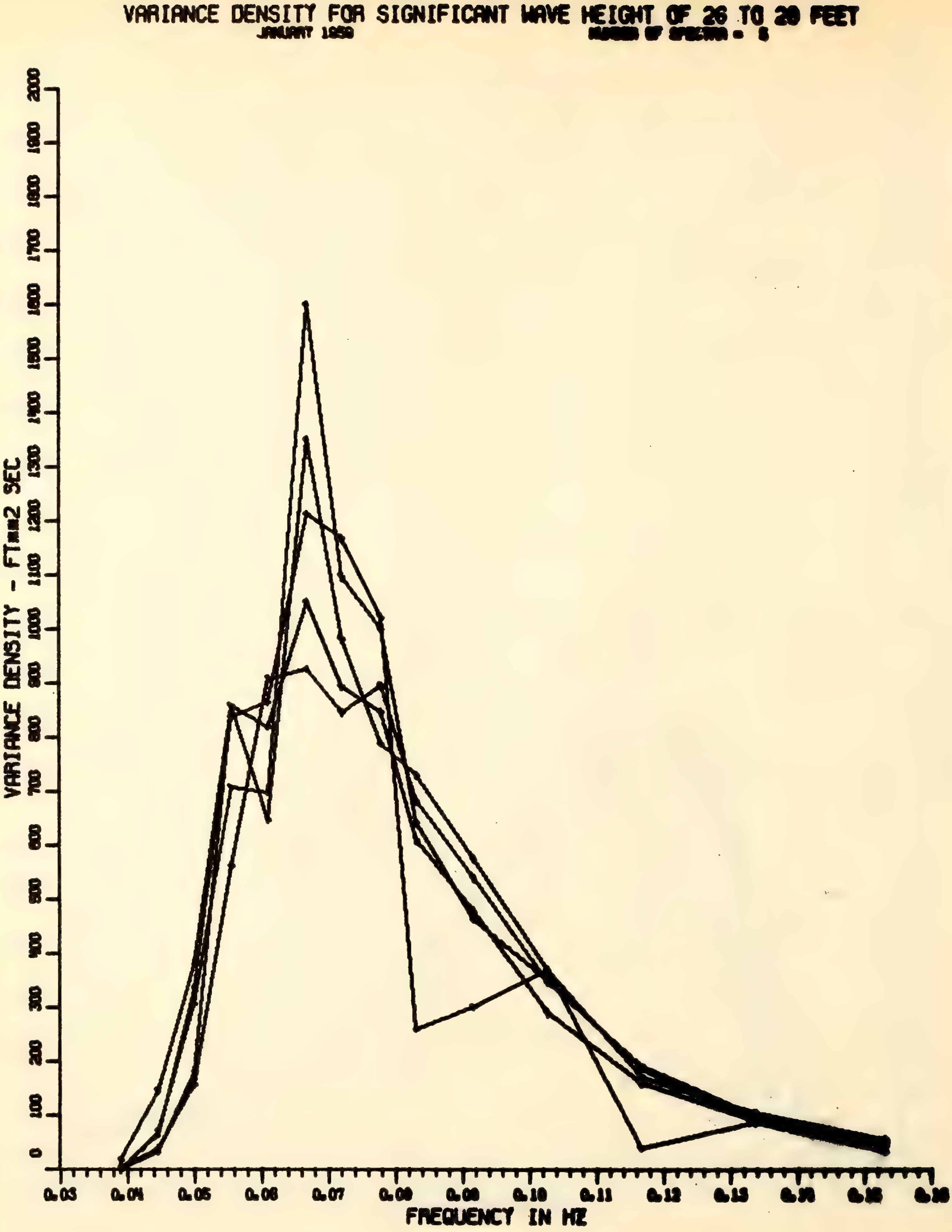


Figure V-22.--Wave spectra by wave height interval (ft), 26 to 28 ft.

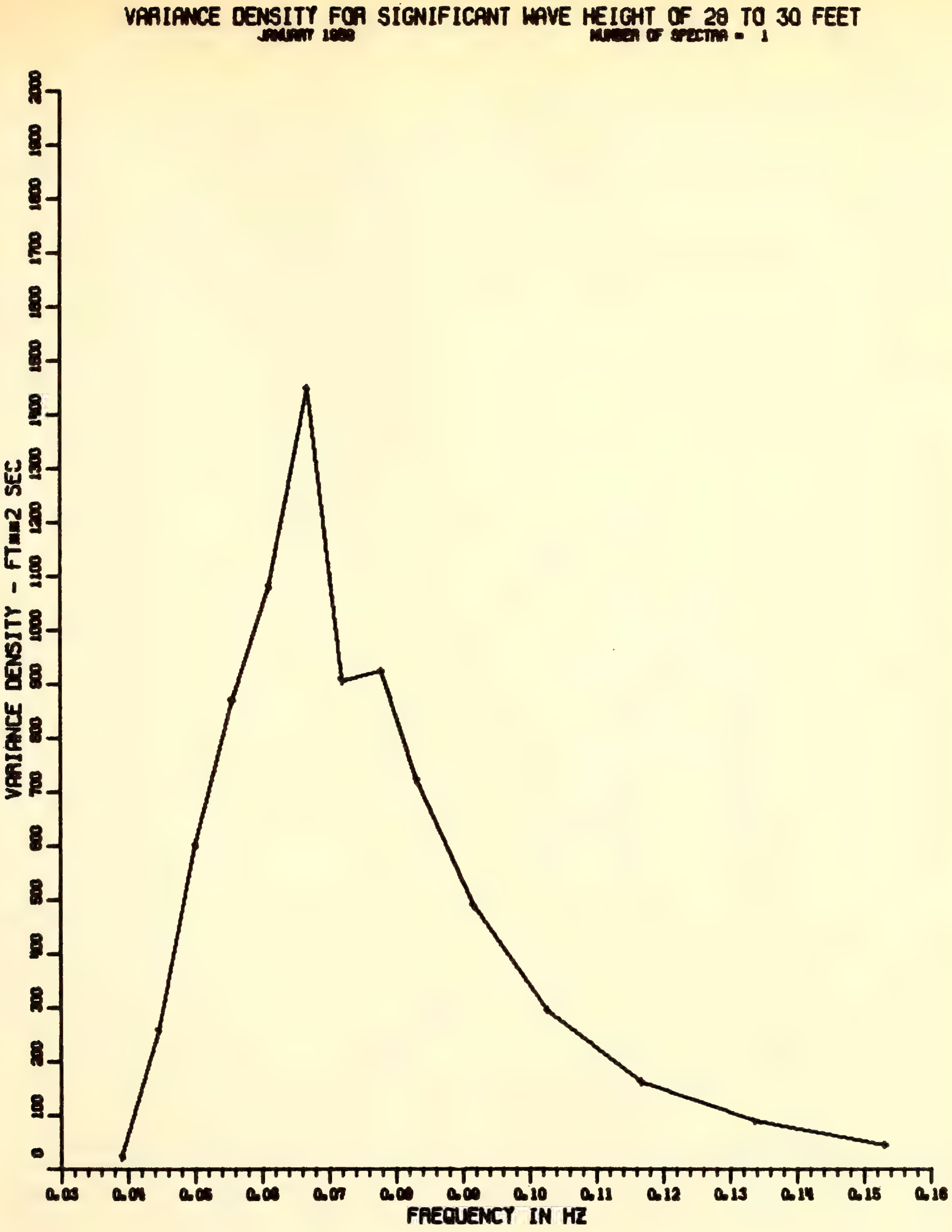


Figure V-23.--Wave spectra by wave height interval (ft), 28 to 30 ft.

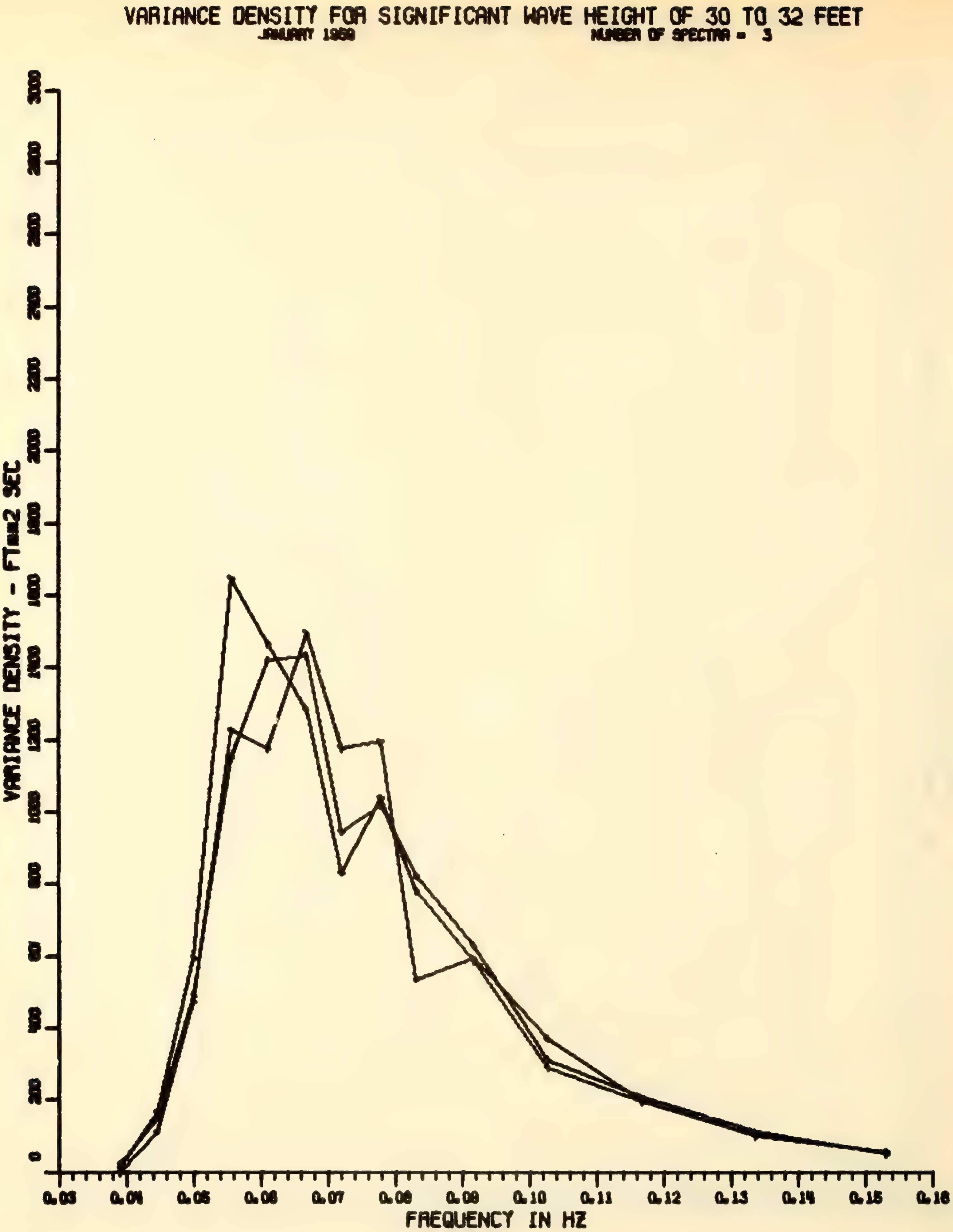


Figure V-24.--Wave spectra by wave height interval (ft), 30 to 32 ft.

VI. Oceanic Conditions (Static)

A. INTRODUCTION

The historical file of bathythermograms (BT's) in the NODC Geosort File were used to prepare section B.1 comprising 20 vertical cross sections shown in figures VI-1 through VI-6, and the NODC Vertical Array Summaries – Bathythermograms (section B.2). The historical file of ocean station data in the NODC Geosort File were used to prepare NODC Vertical Array Summaries – Ocean Station Data (section B.3).

It is generally recognized that BT absolute temperature and depth data are frequently in error, owing primarily to the difficulties encountered in calibrating the instruments. The BT calibration grid overlays are nonlinear in both the vertical (depth) and horizontal (temperature). However, in any usage of the same instrument with the same grid overlay, the BT-observed temperature gradients are generally accurate in the horizontal and vertical fields. Most of the BT data in the Geosort File are limited in depth to 450 feet.

Ocean station data, on the other hand, are quite accurate in their absolute temperature and depth values, which are provided by accurate mercurial (reversing) thermometers and predetermined distances between instruments on the vertical array. The depths probed greatly exceed the 500-meter requirement for this report. Disadvantages of station data, for this report, are their insufficient numbers and their discrete levels of observation (very close to standard depths).

The thermal structure presented therefore depends on BT's for both volume of data and accurate temperature gradients (regardless of absolute temperature values), and ocean station data for accurate temperature depiction and deeper water (to 500 m) definition. Combined with sea surface temperature statistics presented in Section I of this report, the vertical temperature arrays provide for practical three-dimensional matrices of ocean temperatures.

Ocean current data were supplied almost entirely by the U.S. Naval Oceanographic Office. The most important surface current sources were the current roses from published naval summaries and statistics derived from them (fig. VI-9 to VI-14 and table VI-1), and maximum current observations prepared from H 1-9 cards by the U.S. Naval Oceanographic Office.

Subsurface current data were drawn from many sources, predominant among which is the U.S. Naval Oceanographic Office H.O. Pub. Series 700, from which curves and statistics were drawn.

B. DISCUSSION

1. Ocean Thermal Structure

a. Vertical cross-section temperature profiles.

Vertical cross-sections of temperature were made for 5 sections (fig. VI-1). The profiles are dimensionless in temperature, but they do show the spatial changes in the vertical thermal structure from one environmental water regime to another and the temporal changes, particularly the seasonal cycle of the thermocline.

Profile No. 1 (fig. VI-2) reaches from the Maine coast, through the Coastal Water, Slope Water (and the Slope Front), the Gulf Stream, and into the Sargasso Sea. The most obvious feature is the shallow bathymetry between 41° and 42°N where the section crosses Georges Bank. In the January, February, March figures, the waters are isothermal except for numerous occasions of warm Gulf Stream water overrunning cold Slope Water between 38° and 41°N, and the overrunning of the Slope Water by colder Coastal Water in the Slope Front areas north of Georges Bank. The seasonal thermocline is nonexistent above 300 m and the only deviations from isothermal conditions are due to kinematic conditions in the frontal zones. In the spring the seasonal thermocline appears, but it is rather shallow and not very strong. By summer, the thermoclines are deeper and more pronounced. In the shallowest waters of Georges Bank and the Maine coast the thermocline does not show because the water, although warmed from the top, has become mixed throughout its depth. Autumn season BT's show a considerable deepening and weakening of the thermocline as the water columns again tend toward their winter characteristics.

Profile No. 2 (fig. VI-3) runs eastward from the South Carolina coast, across the Littoral Current, the Shelf Water (and Current), the Gulf Stream (Plateau Current), and into the Sargasso Sea. In January-March, the waters are generally isothermal through the top 300 m except for the region of great contrasts (78° to 80°W), the eastern and western boundaries of the Gulf Stream. The water contrasts between 78° and 80°W are apparent in all seasons, as indicated by the permanent thermoclines which contrast with the ideal seasonal changes exhibited by water of the Sargasso Sea.

Profile No. 3 (fig. VI-4) lies north-south across the Gulf of Mexico, and represents waters of the Campeche Bank, the western intrusion of the loop current, and the coastal waters east of the Mississippi Delta. In January-March, a faint remnant of the seasonal thermocline is apparent except in the shallow coastal waters. The reemergence of the thermocline in the spring (April -June) is most obvious in the shallow southern part of the section, more subtle in the deeper waters, and not yet existent in the central Gulf area which includes the loop current. Upwelling appears over the Campeche Bank where the colder deep water has pressed close to the surface. By October-December, the seasonal thermocline has appeared over the entire section.

Profile No. 4 (fig. VI-5) lies east-west from the coast at San Diego across the California Current System into the Pacific basin. The permanent thermocline exists all year. Its intra-annual changes are typical in nature, except that the layer depths are much shallower near the coast (within 100 to 150 miles).

Profile No. 5 (fig. VI-6), at the latitude of the central Oregon coast, also lies east-west across the California Current System, into the Pacific basin. In typical fashion, the seasonal thermocline is deep and weak in the winter months and shallow and strong in the summer, especially so in the fall. Of particular interest are sharp temperature gradients adjacent to the Oregon coast in the spring and summer months, a reflection of the strong upwelling prevalent in that region.

b. Vertical temperature array summaries

The three oceanic regions of this study were divided into the subregions and miniregions shown in figure VI-7 for the western North Atlantic Ocean and the Gulf of Mexico, and in figure VI-8 for the eastern North Pacific Ocean. The subregions were delineated subjectively after careful study of the available atlases and climatologies. Truly homogeneous areas larger than 1° quadrangles cannot be obtained in most of the regions described here. A compromise of homogeneity was therefore mandatory in order to present a manageable number of subregions large enough to contain sufficient subsurface data for climatological meaning. The results (fig. VI-7 and VI-8), though far from perfect, are believed to represent a practical and valuable separation of the major regions for first approximation engineering decisions.

In the subregions (fig. VI-7 and VI-8) are miniregions consisting generally of 1 to 5-1° quadrangles, for which ocean station data, alone, are arrayed (section VI-C). The miniregions are embedded, generally in homogeneous water masses, have fewer observations that are more accurate than BT's, and reach down to the 500-m level. Section B.2 (computer listing) shows ocean temperatures in the vertical by 5-m intervals from the surface to 100-m and 25-m intervals to the 275-m limit of the data for the subregions depicted in figures VI-7 and VI-8. Maximum observed, arithmetic mean of all observations, and minimum observed temperatures (°C) are listed on the left of the pages, followed by the number of observations in the array, standard deviations of temperature, and vertical temperature gradients (°C per 100 meters) in the form of maximum, arithmetic mean, and minimum. (Gradients are taken from observed profiles only; they are not precisely related to the envelopes of the temperatures.) Machine-printed graphics on the right of the pages present the temperature-vs-depth curves (envelopes) for the maximum and minimum observed, and the mean of all the data.

(1) Bathythermograms

The file of historical BT data is not taken from any specified years: it represents all the data processed and archived at NODC by April 1971, and is variable in numbers of observations in the seasons and the total for each subregion.

It may be argued correctly that the standard deviation is a poor descriptor of all the BT data in any one subregion, because the temperature distributions may not be Gaussian. However, the standard deviations show qualitatively the variability of the data. In the arrays, small standard deviations indicate that the water mass is generally homogeneous and nearly unchanging; large standard deviations may indicate that more than one water mass (with unique thermal structures) are to be found in the subregions, and/or interannual changes within the water mass may be large. Standard deviations are used in other environmental data displays which may also have non-Gaussian distributions. They are still a helpful tool. The Interagency ad hoc Task Force was limited in its budget: No new programming was to be funded. To obtain percentile distributions would entail prohibitively costly programming.

Of greater concern in the vertical temperature array summaries is the error of the BT absolute temperatures data, especially due to instrument calibration and ship navigation errors. Vertical gradients of temperature should be reliable, however. The BT data are provided in monthly summaries; the data display too much variability within the subregions to be summarized by

3-month seasons. The variations in ocean processes and the interannual changes are too great.

(2) Ocean station data

For each miniregion in figures VI-7 and VI-8, vertical temperature arrays (table VI-2) have been prepared. These seasonal arrays, by IAPO standard levels from the sea surface to 500-m present the maximum and minimum temperatures observed and the arithmetic means, number of observations, standard deviations of temperature, and vertical temperature gradients (°C per 100 m) in the maximum, average, and minimum. These arrays (table VI-2) portray the thermal structure of the principal water types, away from the oceanic fronts where possible, and in the areas frequently observed as the core of strong currents. Comparison of these arrays with those in vertical cross-section temperature profile (fig. VI-1 to VI-6) and particularly the bathythermograph summaries (table VI-1) should give a complete picture of the thermal structure where the diverse water masses intermingle. Table VI-2 also presents the thermal structure of the deeper (to 500 m) water.

2. Surface Ocean Currents

a. Introduction

The ocean currents in the United States coastal regions are complex – so much that it is not possible to describe them in detail for a given point in time. The climatological treatment, while employing all the data sources readily available and concentrating on specific problem areas and geographical areas, is still a generalization of actual current parameters. Well known currents, such as the Gulf Stream, Florida, loop, and California Currents, are involved. Much data on these current systems have been obtained recently, but much more are required.

To illustrate some of the shortcomings in the current data, consider the weak link between the geography of a current system and the geography of the observation system. The core of the Florida Current is usually about 10′ wide. Yet the bulk of our surface ocean current data (H1-9 cards) is obtained from the difference between dead-reckoned distance traveled and actual distance traveled by transient ships over 12-hr (more or less) time spans. Further generalizing the parameters of ocean currents, the data as gathered are lumped into average conditions in 1° squares of latitude and longitude. There are accurate, pinpointed instrumental current observations, but they are too few in number to provide meaningful frequency distributions, they frequently confuse the tidal with the nontidal motions, they are concentrated in a few local areas, and many of them are not in readily usable form.

The foregoing criticism of the data is included only as a cautionary measure. The current statistics that follow are still the best display of data available at this time for the specified geographical regions.

It was the intent of the compiler of current data to present current speed statistics in m/sec. However, knots were reported in almost all the sources used, involving about 95 percent of the data; therefore, knots are retained. Conversion of knots to m/sec requires multiplication by the factor 0.51479. For certain specific applications, the conversion can and should be used, but to convert in advance the speeds of all the data (which have been filtered, averaged, and truncated) would be to destroy some of the integrity and character of the current data presentations.

b. Data sources

The basic sources for ocean current statistics in this study were supplied by the Navy. They are H.O. Pub. No. 700 Series, Section I, *Tides and Currents,* for the Atlantic Ocean Coastal regions and the Gulf of Mexico, other Navy Atlases for the Pacific Ocean coastal regions, and Navy analysis of maximum current speeds by 1.″ quadrangles for all regions. Other sources, some summaries and some specific observations have been included here, but they generally fit well into the statistics already extracted from the three basic sources.

Several sources of excellent data that would make outstanding frequency distributions of surface and subsurface currents have not been made available to NODC in readily usable forms. These include about 300,000 H1-9 cards held in the U.S. Naval Oceanographic Office, and several Woods Hole Oceanographic Institution (WHOI) files of instrument current measurements. Additional H1-9 cards would add some weight to the already impressive mass of data that make up the two basic sources, but would probably add little new information. The WHOI files of data, on the other hand, represent new and valuable instrument data. They are expected to be processed into usable formats in the near future and be made available to NODC and the oceanographic community at large.

Drennan (1963) summarized results obtained from drift bottles released just east of the Mississippi Delta and south of Mobile Bay from September 1960 to October 1962. The few bottles returned showed considerable variability in direction and speed. Drennan computed maximum Lagrangian speeds. These and the additional statistics for point 3-A in table VI-1 were prepared from Drennan's data.

Gaul and Stewart (1960) observed ocean currents just offshore (to the 40-fathom line) Imperial beach and Pt.

Loma, California, for 103 days in 1956 and 1957, using free drifting drogues. Their results are somewhat similar to those extracted from the basic Navy sources (subregion 44) except that they were for close inshore areas and their velocities were only about 50 percent as great as those in the basic sources.

c. Analysis

The three specified geographical regions studied here were already divided by the U.S. Naval Oceanographic Office into subregions of characteristically similar statistics of surface currents. These subregions were adopted for this study and their statistics were used as a base for the statistical analyses that follow. Figures VI-10 to VI-14 identify and locate the subregions (see bolder number in each subregion). The subregions are also identified in figures VI-15 to VI-17, and in VI-20. All surface current data are presented for two seasons: winter (January, February, and March) and summer (July, August, and September).

Current roses shown in figures VI-9 to VI-14 were taken from U.S. Naval Oceanographic Office sources. Frequency distribution matrices, table VI-3, were derived from the current roses and from a summary of maximum current speeds by 1° squares of latitude and longitude, also supplied by the U.S. Naval Oceanographic Office. The maximum current speeds are shown in figures VI-15 to VI-17.

(1) Surface current roses

Surface current roses, figures VI-9 to VI-14, contain most of what is known of the surface currents in the mesoscale. There are, obviously, small-scale variations in both time and space which do not appear in the roses. However, in the general sense, these current roses can and should be used to determine probabilities of ocean current parameters. Use of the current roses is rather straightforward. A legend is supplied for each of the three basic regions, in figures VI-9, VI-11, and VI-13.

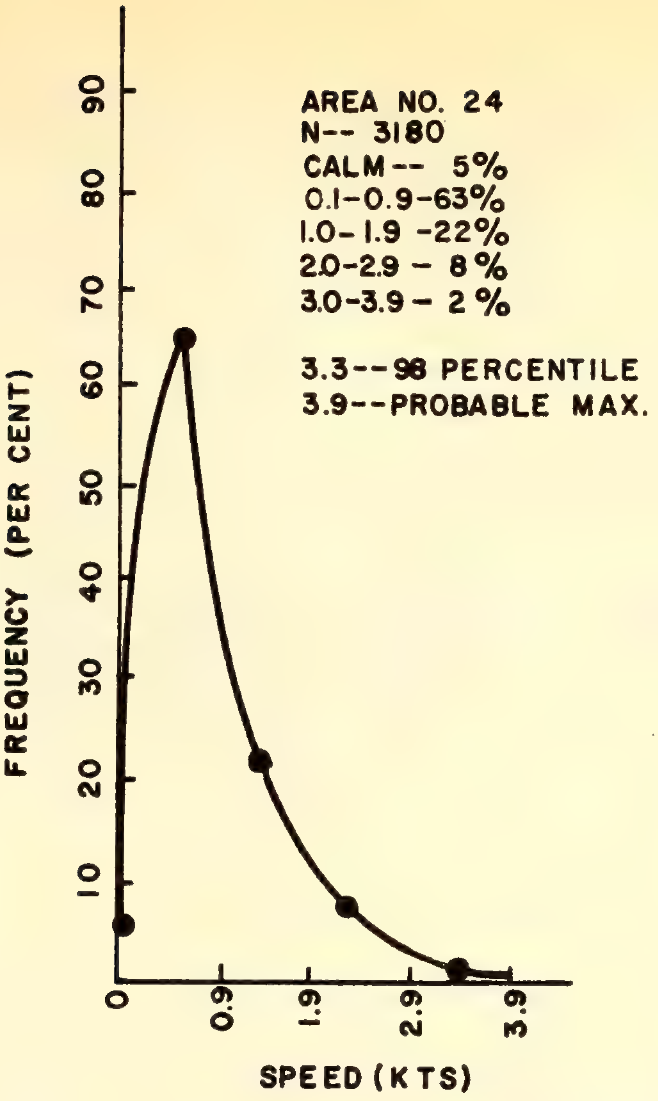
(2) Surface current matrix

A matrix of current speeds (table VI-3) was made from the current rose data. The following statistics were taken directly from the roses: (1) number of observations, (2) percentage of frequency of calm, 0.1-0.9, 1.0-1.9, 2.0-2.9, 3.0-3.9, and 4.0 knots or greater, (3) prevailing current direction, (4) direction of maximum current speed, and (5) the mean speeds of currents in the direction of the maximum speeds. In addition, by use of the analysis technique explained in the sketch below, the following information was derived from these values: mean current speeds, 98th percentile of current speeds, and probable maximum expected current speeds. The mean speeds were obtained by using properly weighted values of each speed category and averaging them. The 98th percentiles and probable maximum expected speeds were derived by fitting curves (on Cartesian coordinates) to the percentage frequencies of each speed category, then extrapolating for probable maximum and interpolating for 98th percentiles. Maximum observed speeds were taken from U.S. Naval Oceanographic Office statistics supplied for this report. Most probable maximum current speeds are the highest current speeds that can reasonably be expected to occur in any one full season (winter or summer). They coincide with the point on the speed scale where the speed curve becomes asymptotic.

Extrapolation and interpolation require that the data have a systematic distribution. According to the table VI-1 and the typical distribution curves in the sketch, the mode (or modes) are always closer to low speeds than to the high ones in every distribution. The required information, however, is found in the high-speed tail of the curve. It is here that the curve may be expected to assume a modified logarithmic distribution as shown in the sketch. Such an assumption is supported by Gumble (1958). The results are therefore based on this assumption. Speed extremes so derived can have large errors only for localized or short-lived current anomalies which are likely to be measured only by chance.

(3) Maximum observed current speeds

Maximum observed current speeds without regard to directions, as supplied by the Navy, are shown in figures VI-15 to VI-17. They are the maximum values ever reported by ship-observation over the years and are presented by 1° quadrangles of latitude and longitude. The probability of finding actual current speeds greater than those in the figures is remote. Some of the values were flagged because they seem to violate continuity with their local environment. For instance, in fig. VI-15, the group of data plots show observed maximum speeds of from 1.6 to 3.1 kt, in a region that is about 2° of latitude south of the average position of the core of the Gulf Stream. It is possible for a ship to observe anomalous values under extreme environmental conditions. Perhaps in hurricanes or other intense storm conditions, the drag of very high winds over the water might generate a strong local, short-lived, current; or the



drag of strong winds on the ship's hull and superstructure might create an apparent high speed ocean current.

3. Subsurface Ocean Currents

a. Introduction

Statistical arrays (frequency distributions, etc.) of subsurface currents require many observations. The Interim Report on Data Search and Acquisition (Activity 2 of the Task Force) shows that there are few reliable reports of current observations below the ocean surface readily available at NODC. As mentioned in "Surface Ocean Currents, Data Sources" (See B, 2.,b.) significant amounts of data have been obtained by WHOI, but they have not been processed into forms usable in this report. Subsurface ocean current measurements like the majority of oceanographic data, were gathered on specific missions. Thus, the areal and temporal distribution of the data were dependent upon the requirements of and facilities available for the needs (frequently contractual) of individual agencies conducting specific research and development missions. Unfortunately, this has resulted in a concentration of current profiles in the Straits of Florida and in areas of the Gulf Stream, and few of them are available in sufficiently long time series. The Gulf of Mexico and most of the eastern North Pacific are practically devoid of subsurface current data.

b. Data Sources

Except for several special studies, the subsurface current data are taken from H.O. Pub. No. 700 Series, Section I, *Tides and Currents.* Vertical profiles of currents, made from good observations, were taken from the sources and are shown in figure VI-19 and table VI-4. Collins and Pattullo (1970) observed subsurface currents near the Oregon coast, using buoy-moored current meters. The buoy array, from the coast to 125°05'W and along the 44°40'N parallel, produced current observations at five depths. Some of their results are shown in Table VI-5.

Burns and Banchero (1966) conducted a series of subsurface current measurements in June and July 1965. They lowered meters at the apexes of a small triangle in the western North Atlantic Ocean east of the Bahamas. Their data are summarized as point number 15. Table VI-4, the matrix of vertical profiles, was derived from the curves in figure VI-9. Information on stress of the shearing forces along the vertical in the marine environment is important to those involved in the RDT&E of buoy and mooring hardware. Therefore, the table was designed to show not only profiles of currents but the horizontal current shear with depth.

c. Analysis

The user of the current data should bear in mind that while there are few frequency distributions of subsurface currents, the vertical pattern almost invariably describes currents whose maxima are at the surface and whose gradient of speed extends downward to some "layer of no motion". The surface current maximum is generally three to four times the mean speed of the water column above the layer of no motion. Surface currents (preceding section) are described by frequency distributions. The depth of the layer of no motion is a relatively conservative parameter and is usually greather than 500 m (the limiting depth for this report). Therefore, the profiles and gradients shown in the figure VI-19 and table VI-4 can be useful, but only if handled with great care.

Figure VI-18 contains the legend, fig. VI-19 vertical curves of current meter observations, and fig. VI-20 locates the points of the observations (small numbered dots). To help develop the perspective of the current systems, additional data have been included on figure VI-20. Circled numbers and heavy lines show the subregions for surface current data. The thin dashed lines show the extreme limits of the Gulf Stream and the thin solid lines the average position of the Gulf Stream core. Where the data were available from the H.O. Pub. No. 700, additional surface current speeds were added as small dots, each associated with a notation of speed and/or direction.

C. DATA

1. Vertical Cross-Section Temperature Profiles

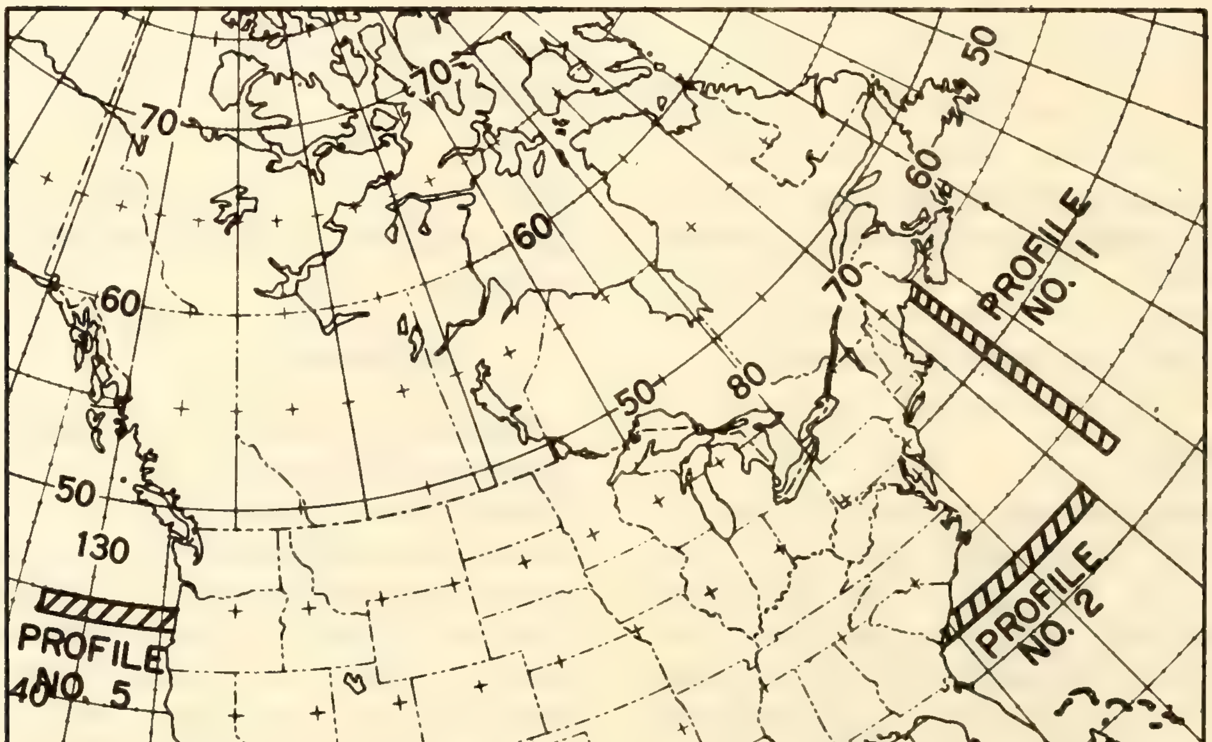


Figure VI-1.--Locations of vertical cross-section temperature profiles.

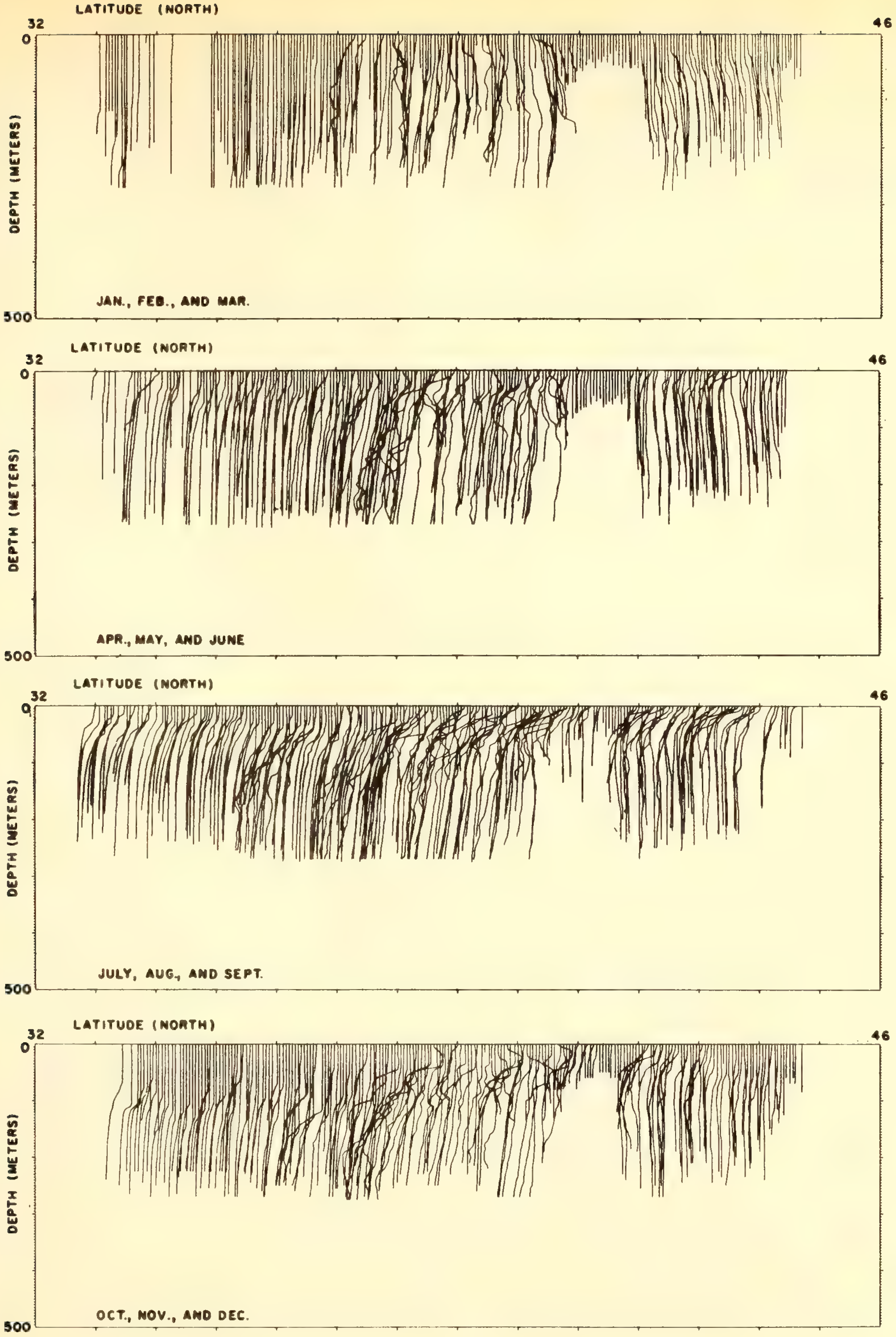


Figure VI-2.--Seasonal vertical temperature profiles, by profile number: no. 1.

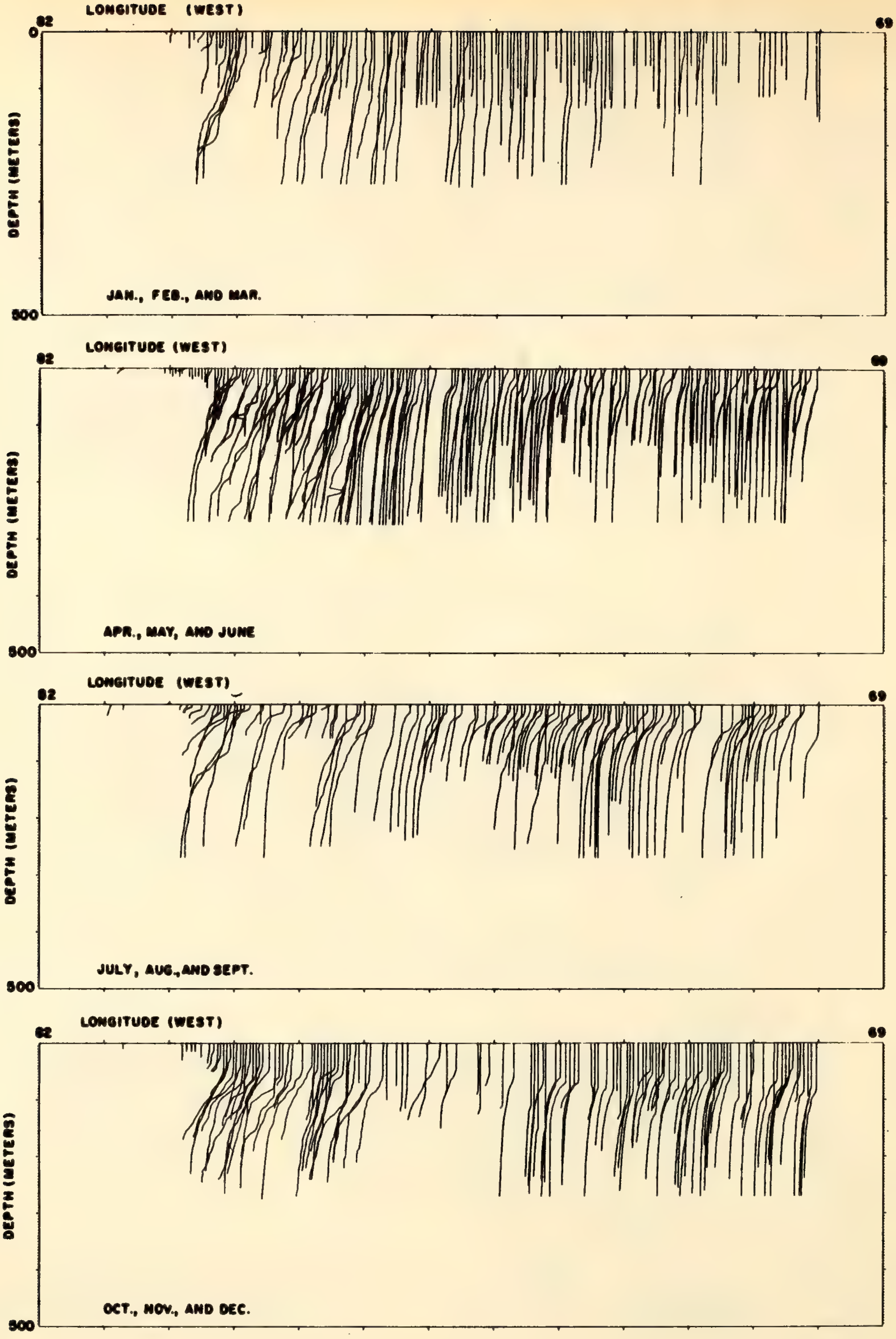


Figure VI-3.--Seasonal vertical temperature profiles, by profile number: no. 2.

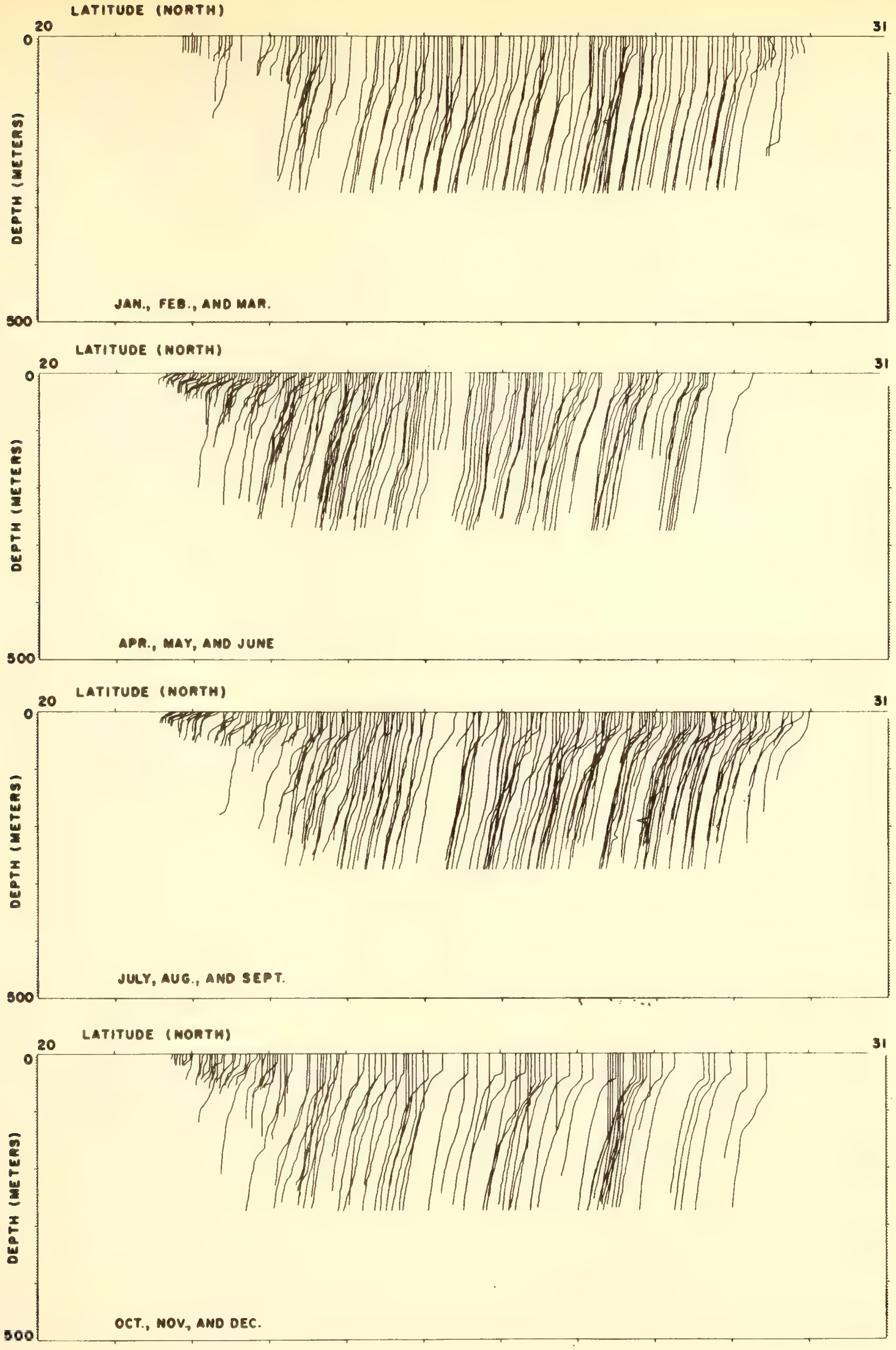


Figure VI-4.--Seasonal vertical temperature profiles, by profile number: no. 3.

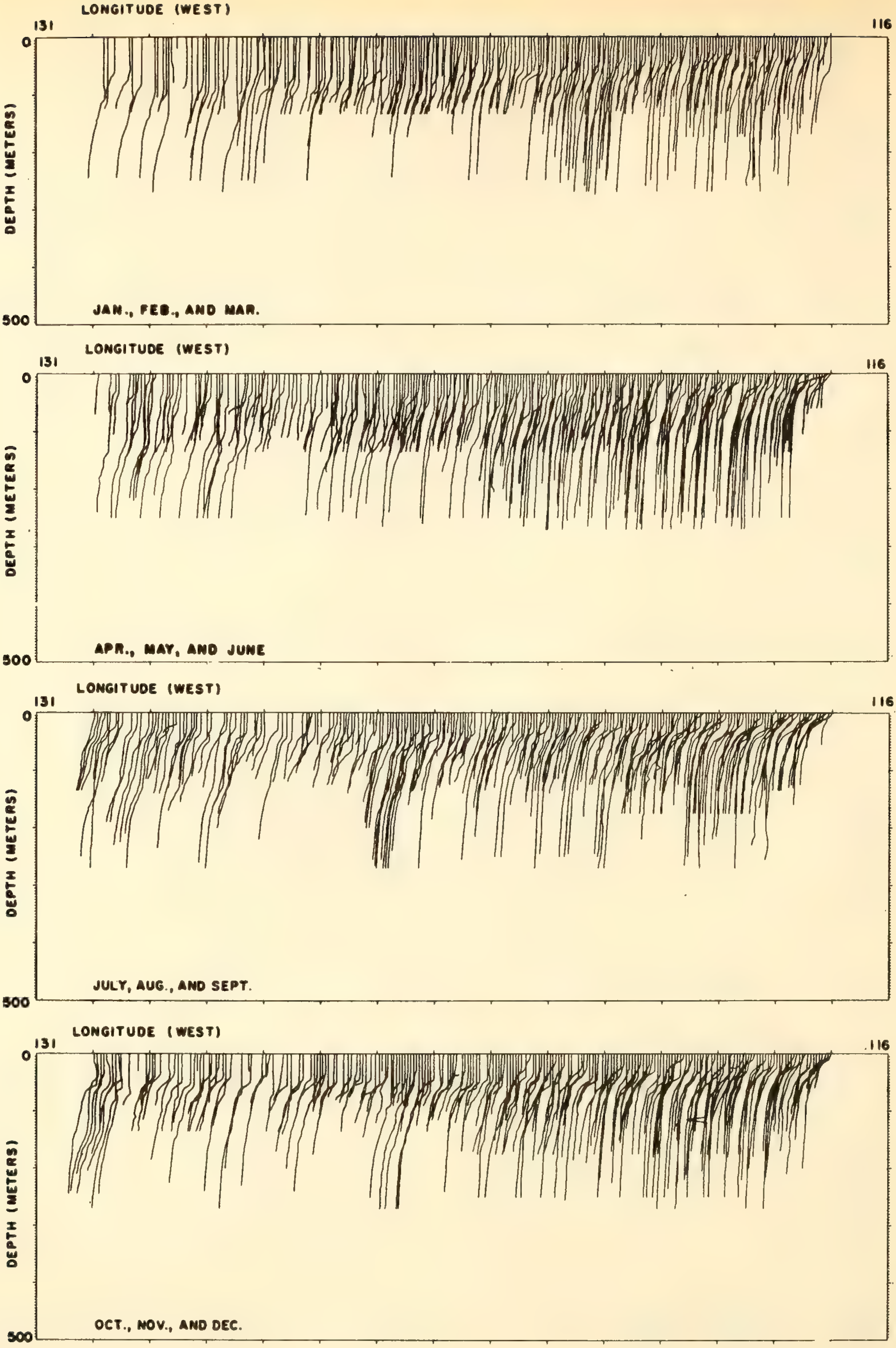


Figure VI-5.--Seasonal vertical temperature profiles, by profile number: no. 4.

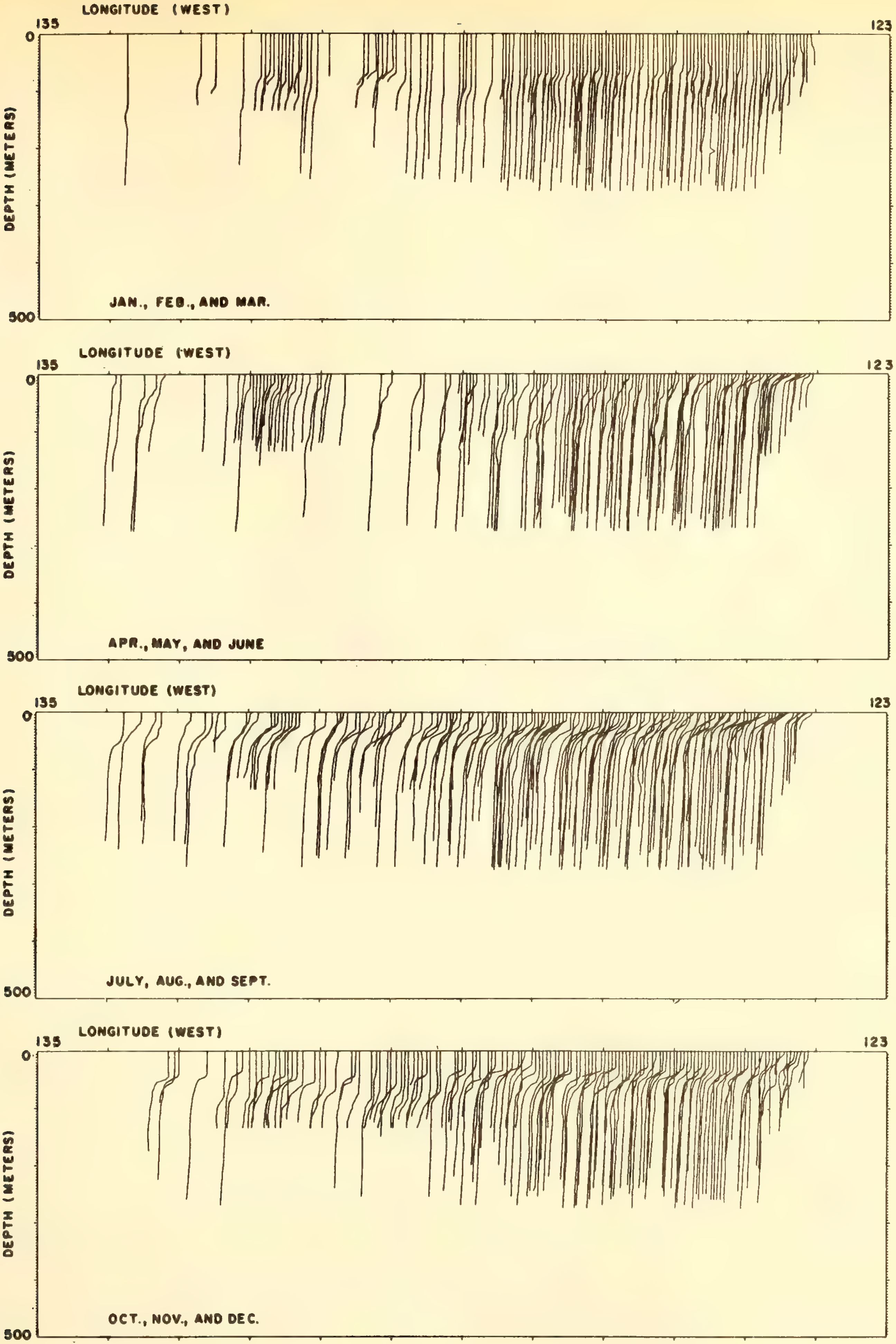


Figure VI-6.--Seasonal vertical temperature profiles, by profile number: no. 5.

2. Statistics of Vertical Temperature Profiles

a. Bathythermograph data

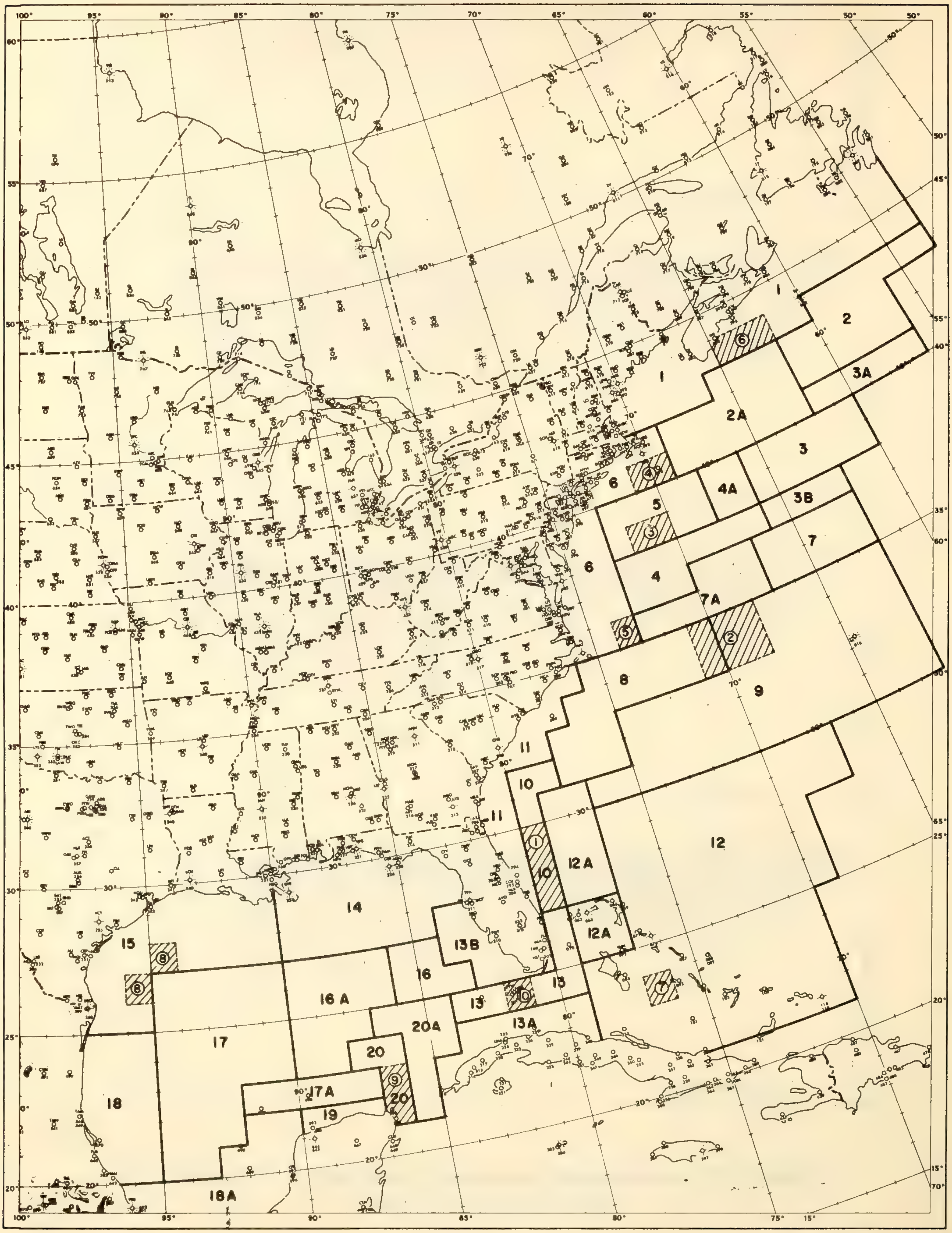
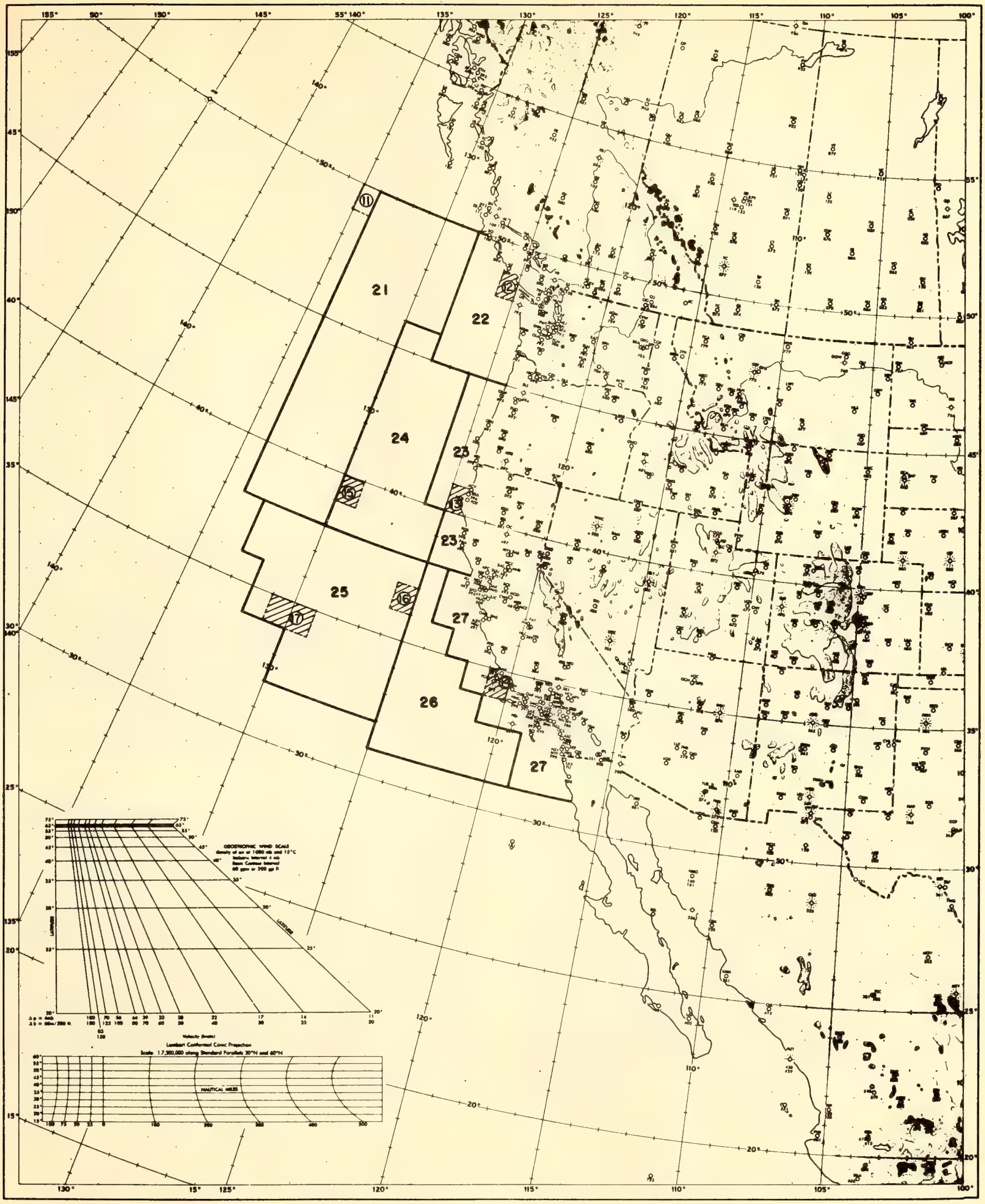


Figure VI-7.--Locations of subregions and miniregions for vertical ocean temperature profiles (western North Atlantic and Gulf of Mexico).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GEOSTROPHIC WIND SCALE
Lambert Conformal Conic Projection
Scale 1:7,500,000 along Standard Parallels 30°N and 60°N
NAUTICAL MILES
LATITUDE
Velocity (knots)

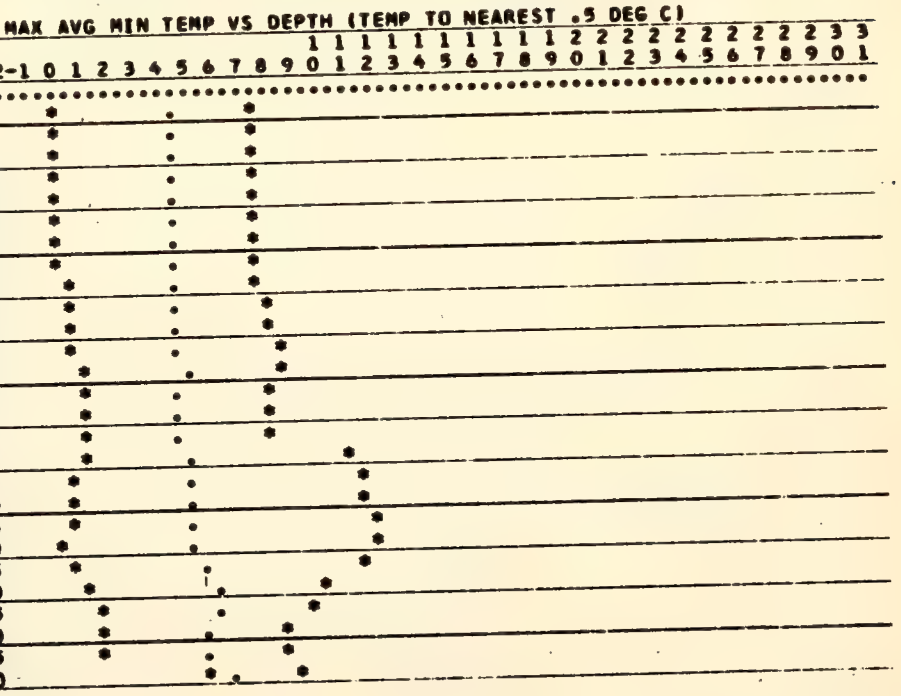
Figure VI-8.--Locations of subregions and miniregions for vertical ocean temperature profiles (eastern North Pacific).

Table VI-1.--Statistical summary of bathythermograph temperature data

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 1   MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	7.4	4.5	-0.2	322	1.7	0.0	0.0	0.0	0
5	7.4	4.5	-0.2	322	1.7	4.0	-0.4	-8.0	5
10	7.4	4.5	-0.1	322	1.7	2.0	-0.1	-10.0	10
15	7.4	4.5	-0.1	322	1.7	4.0	-0.3	-12.0	15
20	7.4	4.5	-0.1	322	1.7	2.0	-0.3	-12.0	20
25	7.4	4.5	0.0	322	1.7	2.0	-0.3	-8.0	25
30	7.4	4.6	0.0	322	1.7	4.0	-0.3	-12.0	30
35	7.5	4.6	0.1	320	1.6	2.0	-0.3	-6.0	35
40	7.7	4.6	0.4	320	1.6	10.0	-0.5	-22.0	40
45	7.8	4.7	0.6	318	1.6	2.0	-0.6	-26.0	45
50	8.2	4.7	0.6	314	1.6	12.0	-0.8	-18.0	50
55	8.3	4.7	0.7	308	1.6	12.0	-0.9	-22.0	55
60	8.6	4.8	0.8	306	1.6	16.0	-0.8	-12.0	60
65	7.8	4.7	0.9	268	1.6	12.0	-0.7	-20.0	65
70	7.8	4.7	1.0	262	1.6	8.0	-0.8	-40.0	70
75	8.2	4.7	1.0	259	1.6	12.0	-0.9	-50.0	75
80	10.8	4.8	0.9	251	1.6	14.0	-1.1	-52.0	80
85	11.5	4.9	0.6	245	1.6	8.0	-1.4	-38.0	85
90	11.7	4.9	0.4	243	1.6	14.0	-1.1	-24.0	90
95	11.9	5.0	0.3	230	1.6	16.0	-1.5	-70.0	95
100	11.8	5.1	0.2	230	1.6	12.0	-1.7	-44.0	100
125	11.5	5.6	0.4	194	1.5	2.8	-1.7	-11.2	125
150	10.2	5.9	1.2	160	1.4	5.2	-1.0	-10.4	150
175	9.4	6.0	1.3	132	1.3	5.6	-0.2	-5.2	175
200	8.4	5.7	1.4	80	1.4	3.6	-0.1	-12.8	200
225	8.7	5.3	1.5	41	1.5	7.2	0.2	-2.8	225
250	8.8	6.4	5.4	11	1.1	1.2	0.0	-1.2	250


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 1   MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	6.7	2.9	-1.9	372	1.4	0.0	0.0	0.0	0
5	6.7	2.9	-2.0	372	1.4	10.0	-0.2	-10.0	5
10	10.8	3.0	-2.0	372	1.4	4.0	-0.7	-180.0	10
15	6.7	3.0	-2.0	372	1.3	80.0	0.1	-14.0	15
20	6.7	3.0	-2.0	371	1.3	2.0	-0.5	-10.0	20
25	6.7	3.0	-2.0	370	1.3	2.0	-0.8	-16.0	25
30	6.7	3.1	-2.0	364	1.3	2.0	-0.8	-26.0	30
35	6.7	3.1	-2.0	357	1.3	2.0	-0.9	-22.0	35
40	7.7	3.2	-2.0	350	1.3	2.0	-1.7	-58.0	40
45	8.9	3.3	-2.0	349	1.3	2.0	-1.8	-28.0	45
50	8.6	3.4	-2.0	340	1.4	6.0	-1.5	-38.0	50
55	8.4	3.4	-2.0	329	1.4	4.0	-1.7	-22.0	55
60	8.0	3.5	-2.0	322	1.3	4.0	-1.9	-26.0	60
65	8.6	3.6	-2.0	309	1.3	12.0	-1.9	-16.0	65
70	10.0	3.7	-1.9	305	1.4	4.0	-2.0	-28.0	70
75	10.4	3.8	-1.9	295	1.4	14.0	-1.7	-18.0	75
80	10.6	3.9	-1.9	282	1.4	14.0	-1.8	-22.0	80
85	10.5	4.1	-1.8	272	1.4	10.0	-2.3	-30.0	85
90	10.4	4.2	-1.8	256	1.4	12.0	-1.8	-32.0	90
95	10.3	4.3	-0.3	239	1.4	22.0	-1.6	-16.0	95
100	10.4	4.4	-0.2	239	1.4	8.0	-2.1	-26.0	100
125	10.6	5.0	0.6	187	1.4	3.2	-2.0	-15.6	125
150	10.7	5.5	1.7	137	1.3	4.4	-1.7	-7.6	150
175	9.9	6.0	2.3	102	1.1	7.6	-1.6	-14.0	175
200	9.3	6.2	3.1	64	1.0	5.2	-0.5	-6.0	200
225	8.7	6.1	4.8	20	1.1	2.4	0.4	-1.2	225
250	7.6	5.8	4.6	8	0.9	3.2	1.0	-0.8	250

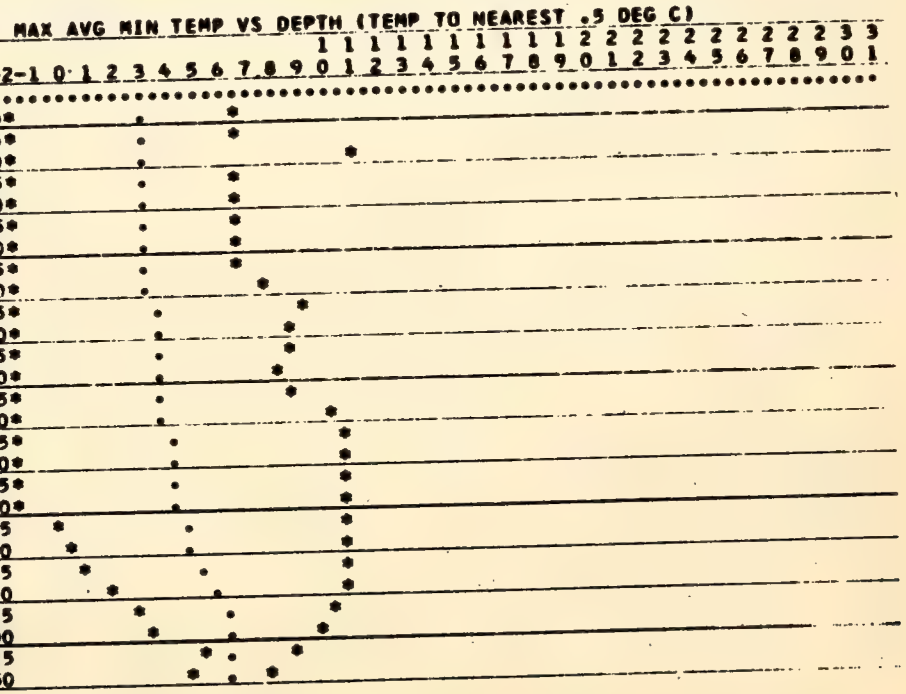
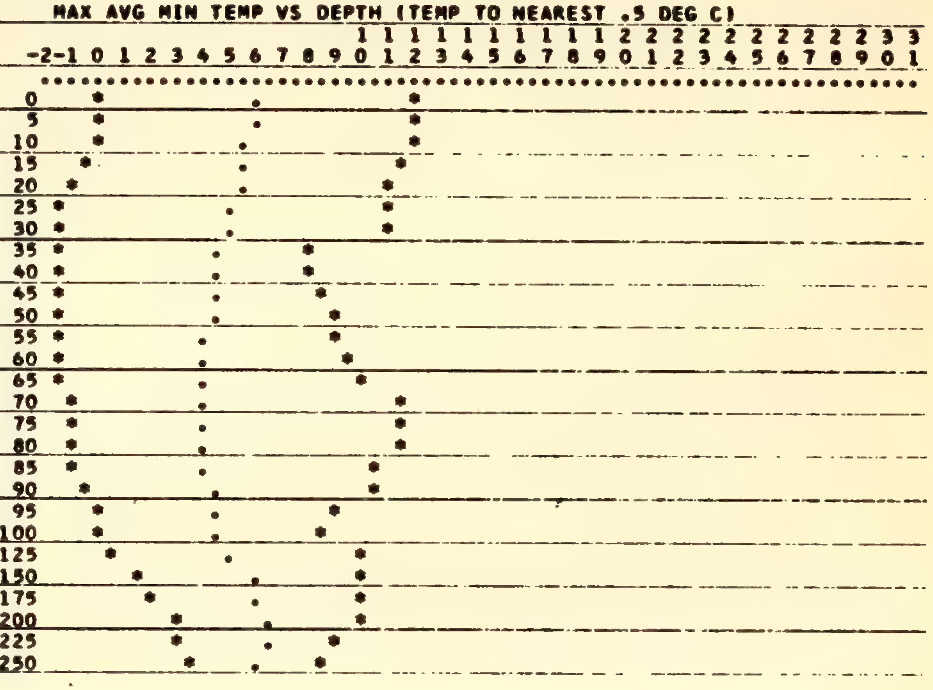

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 1 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	12.2	5.9	0.1	573	1.7	0.0	0.0	0.0
5	12.1	5.8	0.1	573	1.6	50.0	2.2	-4.0
10	11.9	5.7	0.0	573	1.6	36.0	2.6	-24.0
15	11.7	5.5	-0.4	573	1.5	48.0	3.9	-14.0
20	10.8	5.3	-1.1	572	1.4	52.0	4.3	-14.0
25	10.8	5.1	-1.5	571	1.4	52.0	4.6	-20.0
30	10.8	4.8	-1.6	570	1.3	38.0	4.0	-28.0
35	8.1	4.7	-1.6	568	1.3	28.0	3.7	-16.0
40	8.0	4.5	-1.6	567	1.3	28.0	2.9	-16.0
45	8.5	4.4	-1.6	562	1.3	26.0	2.2	-14.0
50	8.8	4.3	-1.6	552	1.4	20.0	1.3	-24.0
55	9.1	4.2	-1.5	535	1.4	48.0	0.9	-26.0
60	9.7	4.2	-1.4	522	1.4	18.0	0.3	-12.0
65	10.2	4.2	-1.3	488	1.4	20.0	0.3	-10.0
70	11.6	4.2	-1.2	467	1.4	14.0	-0.3	-28.0
75	11.7	4.2	-1.1	437	1.4	58.0	-0.6	-28.0
80	11.4	4.2	-1.1	422	1.4	6.0	-1.0	-60.0
85	10.7	4.2	-1.1	393	1.4	14.0	-1.3	-28.0
90	10.4	4.3	-0.4	366	1.4	24.0	-1.3	-28.0
95	9.2	4.4	-0.1	332	1.4	28.0	-1.9	-38.0
100	8.6	4.5	0.1	332	1.4	30.0	-2.2	-42.0
125	9.9	5.1	0.6	286	1.4	3.2	-2.2	-16.8
150	10.0	5.8	1.5	226	1.3	4.0	-2.0	-16.0
175	9.9	6.2	2.1	174	1.2	3.6	-1.4	-8.0
200	9.9	6.6	2.9	113	1.1	10.4	-0.8	-7.2
225	8.8	6.6	3.2	57	1.0	6.8	0.2	-2.0
250	8.3	6.1	3.4	21	1.2	6.4	0.8	-0.8


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 1 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	19.6	10.0	3.6	392	2.6	0.0	0.0	0.0
5	19.6	9.6	3.6	392	2.7	82.0	9.3	-32.0
10	19.6	8.9	3.3	392	2.5	124.0	13.2	-6.0
15	16.5	8.1	1.6	392	2.3	106.0	16.5	-10.0
20	14.4	7.1	0.0	391	2.0	104.0	18.7	-12.0
25	13.4	6.4	0.0	391	1.9	102.0	15.6	-26.0
30	12.8	5.7	0.0	389	1.9	70.0	12.7	-20.0
35	12.6	5.2	-0.1	384	2.0	62.0	10.6	-50.0
40	13.3	4.9	-0.1	377	2.0	44.0	7.8	-34.0
45	12.7	4.6	-0.3	375	2.1	56.0	6.2	-30.0
50	13.2	4.3	-0.4	368	2.1	42.0	4.2	-34.0
55	12.7	4.2	-0.6	360	2.1	24.0	2.7	-28.0
60	12.7	4.1	-0.5	358	2.0	42.0	2.0	-18.0
65	12.8	4.0	-0.5	341	1.9	22.0	0.8	-26.0
70	12.9	4.0	-0.8	330	1.9	22.0	-0.1	-26.0
75	13.1	4.0	-0.6	318	1.8	28.0	-0.8	-20.0
80	13.2	4.1	0.0	301	1.8	20.0	-1.1	-24.0
85	13.3	4.2	0.0	295	1.8	24.0	-1.5	-42.0
90	13.3	4.2	0.0	280	1.7	8.0	-1.7	-30.0
95	13.2	4.4	0.1	264	1.6	20.0	-1.9	-64.0
100	13.2	4.5	0.1	264	1.6	4.0	-2.1	-42.0
125	13.4	5.0	0.3	226	1.6	8.4	-2.0	-25.2
150	10.7	5.3	0.9	185	1.4	7.6	-1.9	-16.0
175	11.0	5.7	1.1	144	1.3	8.0	-1.2	-6.4
200	7.7	6.0	2.7	94	0.9	4.4	-1.1	-12.0
225	7.7	6.3	4.0	55	0.8	4.0	-0.4	-9.6
250	7.8	6.4	4.3	27	1.0	8.4	0.3	-2.8

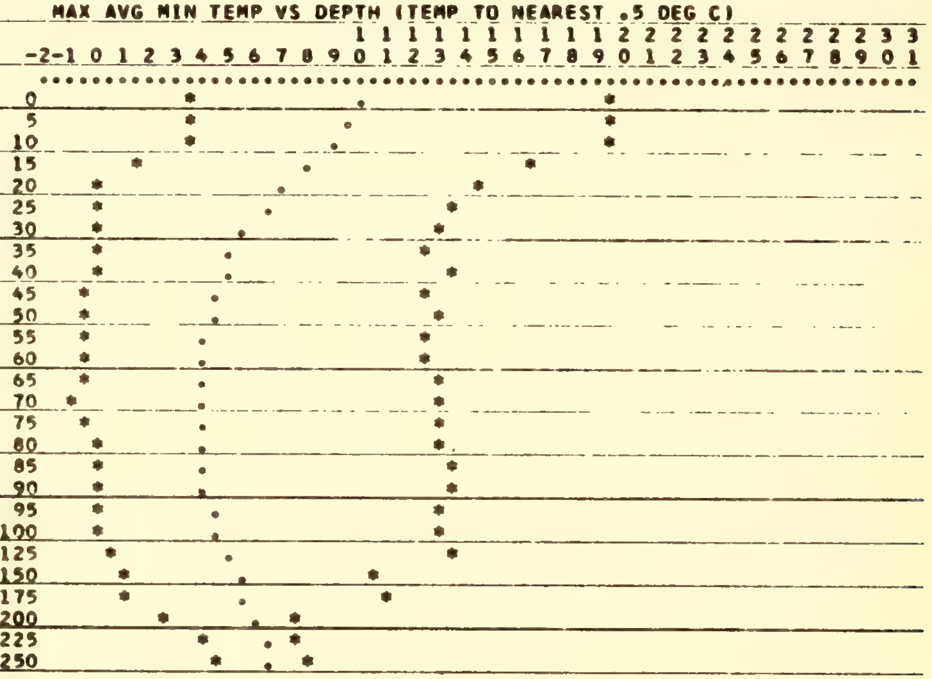

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.—Continued

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                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
  AREA 1     MONTH  3
                                                                   MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                           1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                          GRADIENT           -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS  MAX    AVG   MIN    NUM  SDEV        MAX    AVG    MIN     ...................................................................
     0  5.4    2.5  -1.1    470   1.2        0.0    0.0    0.0    0  *      .     *
     5  5.4    2.5  -1.1    470   1.2       10.0    0.2  -16.0    5  *      .     *
    10  5.5    2.5  -1.1    470   1.2        6.0    0.1   -6.0   10  *      .     *
    15  5.5    2.5  -1.2    470   1.3        6.0   -0.1  -32.0   15  *      .     *
    20  5.6    2.5  -1.2    469   1.3       10.0   -0.2  -16.0   20  *      .     *
    25  5.6    2.5  -1.2    467   1.3        4.0   -0.1  -10.0   25  *      .     *
    30  5.7    2.6  -1.2    467   1.3        6.0   -0.4  -22.0   30  *      .     *
    35  5.8    2.6  -1.2    466   1.3       12.0   -0.4  -14.0   35  *      .      *
    40  5.9    2.6  -2.1    466   1.3       18.0   -0.5  -12.0   40*        .      *
    45  5.9    2.6  -1.2    463   1.3        6.0   -0.9  -24.0   45  *      .      *
    50  5.9    2.7  -1.1    457   1.3        6.0   -0.8  -28.0   50  *      .      *
    55  5.6    2.7  -1.1    448   1.3        8.0   -1.3  -30.0   55  *      .     *
    60  5.6    2.8  -1.1    442   1.3       10.0   -1.4  -22.0   60  *       .    *
    65  7.0    2.9  -1.1    425   1.3        4.0   -1.7  -28.0   65  *       .       *
    70  7.0    3.0  -1.0    419   1.3        6.0   -1.9  -24.0   70  *       .       *
    75  7.1    3.1  -0.9    406   1.3        6.0   -2.2  -32.0   75  *       .       *
    80  7.2    3.2  -0.9    389   1.3        2.0   -2.2  -24.0   80  *       .       *
    85  7.4    3.4  -0.9    376   1.3        4.0   -3.0  -28.0   85  *        .       *
    90  7.7    3.5  -0.9    361   1.3        8.0   -2.7  -22.0   90  *        .       *
    95  7.8    3.7  -0.9    345   1.3        6.0   -2.6  -16.0   95  *        .        *
   100  8.1    3.8  -0.8    345   1.4        6.0   -2.8  -18.0  100  *         .       *
   125  9.2    4.6  -0.6    301   1.4        6.0   -2.5  -15.2  125   *         .        *
   150  9.5    5.3   1.1    236   1.3        3.6   -1.9  -12.0  150      *        .       *
   175  9.0    5.9   1.6    193   1.2        4.8   -1.4  -10.8  175       *        .     *
   200  8.7    6.1   1.7    133   1.2        3.6   -0.7   -6.0  200       *        .    *
   225  8.2    6.3   3.9     60   1.1        3.2   -0.4   -5.6  225            *    .  *
   250  8.0    6.4   4.1     30   1.1        2.4   -0.3   -7.2  250            *    .  *
   275  7.1    7.0   7.0      4   0.0        3.2    1.6    0.8  275                  .

                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
  AREA 1     MONTH  4
                                                                   MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                           1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                          GRADIENT           -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS  MAX    AVG   MIN    NUM  SDEV        MAX    AVG    MIN     ...................................................................
     0  8.9    3.7  -1.1    626   1.3        0.0    0.0    0.0    0  *        .          *
     5  8.9    3.6  -1.1    626   1.3       46.0    1.1   -6.0    5  *        .          *
    10  8.9    3.6  -1.1    626   1.2       34.0    0.8   -6.0   10  *        .          *
    15  8.1    3.6  -1.1    626   1.2       26.0    0.7  -38.0   15  *        .        *
    20  7.3    3.5  -1.1    626   1.2       42.0    0.8  -12.0   20  *        .       *
    25 23.2    3.5  -1.1    625   1.4       18.0    0.0  -20.0   25  *        .                                      *
    30  7.3    3.5  -1.1    623   1.2       18.0    0.9  -24.0   30  *        .       *
    35  7.3    3.5  -1.2    622   1.2       18.0   -0.1  -14.0   35  *        .       *
    40  7.9    3.5  -1.2    620   1.2       10.0   -0.4  -14.0   40  *        .        *
    45  7.9    3.5  -1.2    616   1.2       16.0   -0.6  -16.0   45  *        .        *
    50  8.0    3.6  -1.2    608   1.2       10.0   -0.6  -22.0   50  *        .        *
    55  8.0    3.6  -1.2    597   1.2       12.0   -0.9  -20.0   55  *        .        *
    60  7.9    3.6  -1.4    594   1.2        6.0   -1.1  -26.0   60 *         .        *
    65  9.4    3.7  -1.5    581   1.2       72.0   -1.0  -36.0   65 *         .           *
    70  9.8    3.8  -1.1    574   1.2        8.0   -1.3  -76.0   70  *         .           *
    75  9.3    3.8  -0.8    561   1.2       10.0   -1.5  -42.0   75  *         .          *
    80  9.0    3.9  -0.7    546   1.2        8.0   -1.4  -38.0   80   *        .         *
    85  9.7    4.0  -0.9    536   1.3        8.0   -1.6  -20.0   85  *         .          *
    90 10.6    4.1  -1.0    514   1.3        6.0   -1.6  -20.0   90  *         .            *
    95 11.0    4.2  -0.4    479   1.3       90.0   -1.5  -48.0   95   *        .             *
   100 11.3    4.3  -0.4    479   1.3       12.0   -2.1  -94.0  100   *         .             *
   125 10.8    4.8  -0.6    407   1.4        6.8   -1.8  -17.6  125   *          .           *
   150  9.7    5.4   0.4    349   1.3        6.0   -1.9  -14.4  150     *         .       *
   175 10.0    5.8   0.7    281   1.3        8.0   -1.8  -15.2  175     *          .       *
   200  9.0    6.1   1.1    212   1.1       10.0   -1.4   -6.4  200      *         .     *
   225  8.6    6.2   1.1     90   1.0        8.8   -0.3   -4.0  225      *         .    *
   250  8.4    6.4   4.9     25   0.8        4.4    0.1   -5.6  250              *  .   *
   275  6.8    5.9   5.1      2   1.2        0.0    0.0    0.0  275              * . *
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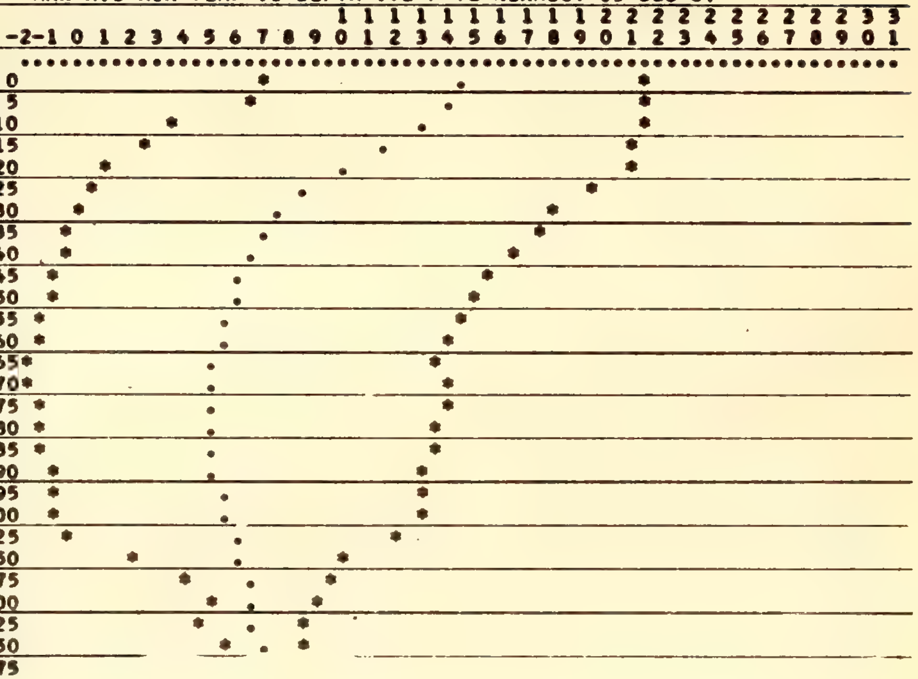
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 1 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.7	14.6	6.9	535	2.9	0.0	0.0	0.0	0
5	21.6	14.0	6.6	535	3.0	92.0	10.4	-8.0	5
10	21.3	12.9	3.4	531	2.9	134.0	21.6	-4.0	10
15	21.0	11.3	2.5	528	2.7	202.0	31.1	-16.0	15
20	21.0	9.8	1.2	523	2.5	152.0	29.6	-20.0	20
25	19.3	8.5	0.4	520	2.4	130.0	25.8	-8.0	25
30	18.1	7.6	-0.2	516	2.4	168.0	18.7	-10.0	30
35	17.3	6.9	-0.3	515	2.3	100.0	13.7	-42.0	35
40	16.6	6.4	-0.7	514	2.3	48.0	9.7	-28.0	40
45	15.6	6.1	-0.8	510	2.3	64.0	7.9	-22.0	45
50	14.9	5.8	-0.9	498	2.3	66.0	5.5	-24.0	50
55	14.4	5.5	-1.6	477	2.2	32.0	3.7	-44.0	55
60	13.9	5.4	-1.7	471	2.2	38.0	2.1	-30.0	60
65	13.7	5.2	-1.8	454	2.1	28.0	1.6	-38.0	65
70	13.9	5.1	-1.8	440	2.1	20.0	0.5	-24.0	70
75	14.1	5.1	-1.7	420	2.0	20.0	0.0	-38.0	75
80	13.5	5.1	-1.7	403	1.9	26.0	-0.4	-26.0	80
85	13.4	5.1	-1.4	374	1.9	16.0	-0.8	-26.0	85
90	12.9	5.2	-1.2	358	1.9	28.0	-1.0	-26.0	90
95	13.0	5.3	-1.1	325	1.9	22.0	-0.9	-18.0	95
100	12.8	5.3	-1.1	325	1.9	24.0	-1.4	-24.0	100
125	11.8	5.8	-0.7	260	1.8	9.6	-1.4	-13.2	125
150	10.2	5.9	2.1	175	1.2	4.0	-1.4	-16.0	150
175	9.3	6.3	4.2	129	1.0	10.8	-0.7	-7.2	175
200	9.0	6.6	4.8	76	0.9	6.8	-0.2	-6.0	200
225	8.4	6.6	4.5	43	0.8	3.2	0.3	-1.2	225
250	8.4	6.8	5.6	19	0.8	1.6	0.3	-1.6	250
275	6.2	6.0	6.0	3	0.1	0.0	0.0	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 1 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.6	15.6	7.2	518	3.1	0.0	0.0	0.0	0
5	21.4	15.2	7.1	518	3.2	116.0	8.1	-4.0	5
10	20.9	14.3	6.9	518	3.2	180.0	17.2	-4.0	10
15	20.8	12.8	5.2	515	3.1	156.0	31.1	0.0	15
20	20.7	11.1	3.4	512	2.8	166.0	34.4	-2.0	20
25	20.0	9.6	2.2	510	2.6	138.0	31.1	0.0	25
30	16.6	8.4	1.9	510	2.4	102.0	22.3	-12.0	30
35	15.2	7.6	1.4	510	2.3	116.0	17.6	-14.0	35
40	14.8	7.0	0.5	509	2.3	72.0	11.8	-44.0	40
45	13.5	6.6	-0.1	506	2.2	58.0	7.8	-38.0	45
50	12.9	6.3	-0.5	498	2.2	56.0	5.3	-38.0	50
55	12.6	6.1	-1.1	489	2.2	44.0	4.5	-52.0	55
60	13.0	5.8	-1.4	469	2.2	50.0	2.8	-58.0	60
65	13.0	5.7	-1.5	453	2.2	36.0	2.4	-32.0	65
70	13.2	5.6	-1.5	444	2.2	16.0	0.9	-68.0	70
75	13.2	5.6	-0.8	437	2.2	18.0	0.7	-32.0	75
80	13.2	5.6	-1.0	427	2.2	34.0	0.1	-18.0	80
85	13.1	5.6	-1.0	420	2.1	20.0	0.0	-20.0	85
90	13.0	5.6	-0.6	410	2.1	16.0	-0.0	-32.0	90
95	12.9	5.5	-0.6	391	2.0	14.0	-0.6	-20.0	95
100	12.9	5.6	-0.4	391	2.0	26.0	-0.6	-40.0	100
125	13.1	5.7	0.6	344	1.9	10.0	-0.9	-21.2	125
150	12.9	5.9	3.6	291	1.7	4.0	-1.0	-18.0	150
175	12.2	6.2	3.2	242	1.5	4.8	-0.8	-8.8	175
200	11.7	6.3	2.9	191	1.4	4.8	-0.1	-5.6	200
225	11.2	6.3	3.3	115	1.4	3.2	0.0	-3.6	225
250	9.0	6.2	3.2	50	1.3	4.0	0.6	-3.2	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

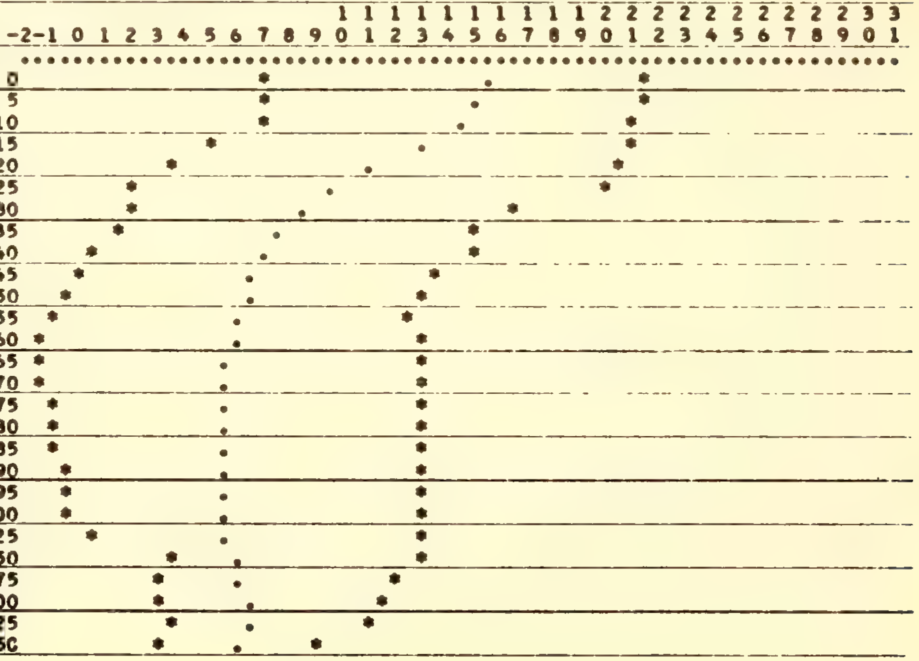


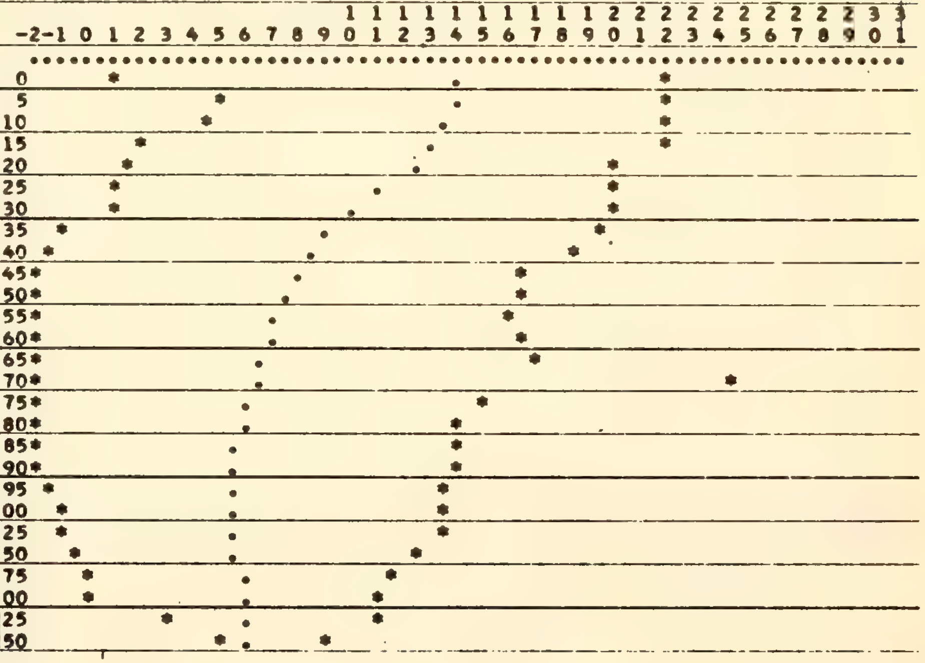
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 1 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	22.1	14.2	1.0	676	2.3	0.0	0.0	0.0
5	22.1	14.0	5.0	676	2.2	86.0	4.2	-178.0
10	22.1	13.6	4.5	676	2.3	108.0	7.1	-8.0
15	22.0	13.1	2.0	676	2.4	104.0	10.7	-36.0
20	19.9	12.3	1.4	670	2.4	170.0	16.9	-2.0
25	19.9	11.2	1.1	670	2.5	160.0	21.6	-2.0
30	19.9	10.1	1.1	669	2.6	186.0	22.1	-4.0
35	19.3	9.1	-1.1	657	2.7	130.0	18.2	-2.0
40	18.3	8.5	-1.7	653	2.8	116.0	13.1	-10.0
45	16.7	7.9	-1.8	647	2.8	66.0	10.3	-8.0
50	16.4	7.5	-1.8	636	2.8	82.0	7.8	-8.0
55	15.9	7.1	-1.9	609	2.7	58.0	6.2	-32.0
60	16.4	6.8	-1.9	596	2.7	56.0	4.7	-16.0
65	16.8	6.6	-2.0	573	2.6	50.0	3.8	-18.0
70	24.3	6.4	-2.0	559	2.7	42.0	2.4	-316.0
75	15.2	6.1	-1.9	520	2.4	324.0	3.7	-22.0
80	14.2	5.9	-1.9	486	2.4	80.0	2.0	-18.0
85	13.9	5.7	-1.8	464	2.3	26.0	1.5	-22.0
90	14.0	5.7	-1.8	438	2.2	24.0	0.8	-34.0
95	13.7	5.6	-1.4	401	2.1	26.0	0.6	-32.0
100	13.6	5.6	-1.2	400	2.0	18.0	0.3	-20.0
125	13.3	5.6	-0.8	339	1.8	8.0	-0.5	-19.2
150	12.3	5.7	-0.4	277	1.5	8.0	-1.0	-23.2
175	11.4	5.9	0.1	218	1.4	5.6	-0.9	-10.0
200	11.1	6.0	0.2	155	1.3	5.2	-0.4	-8.8
225	11.1	6.0	2.8	89	1.3	4.0	-0.0	-10.8
250	9.2	6.0	4.8	30	1.0	3.6	-0.1	-7.6

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 1 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	20.2	12.1	6.9	822	2.1	0.0	0.0	0.0
5	20.2	12.1	6.9	822	2.0	40.0	1.3	-40.0
10	20.1	11.9	6.9	822	2.0	74.0	2.7	-48.0
15	20.1	11.7	6.7	820	2.0	64.0	4.7	-6.0
20	20.1	11.4	5.6	817	1.9	64.0	6.8	-6.0
25	20.1	10.9	4.4	814	1.9	80.0	8.6	-8.0
30	20.1	10.4	3.0	814	1.9	94.0	10.5	-12.0
35	20.1	9.8	1.8	807	2.0	120.0	12.4	-10.0
40	20.1	9.1	0.7	802	2.1	126.0	12.8	-4.0
45	20.1	8.6	0.3	795	2.2	114.0	11.0	-6.0
50	20.1	8.1	0.1	786	2.2	90.0	10.1	-14.0
55	18.9	7.6	-0.3	771	2.1	78.0	9.0	-10.0
60	18.3	7.2	-0.5	765	2.1	42.0	6.9	-30.0
65	18.1	6.9	-0.5	719	2.0	54.0	6.1	-16.0
70	18.1	6.7	-0.1	710	2.0	40.0	5.0	-14.0
75	18.4	6.4	-0.1	692	1.9	38.0	3.6	-26.0
80	18.2	6.2	-0.2	663	1.8	42.0	3.1	-18.0
85	17.7	6.1	-0.2	654	1.8	36.0	2.6	-22.0
90	17.3	5.9	0.0	637	1.7	26.0	1.9	-36.0
95	17.1	5.8	0.0	593	1.7	24.0	1.0	-60.0
100	16.6	5.8	-0.1	591	1.6	60.0	1.1	-68.0
125	12.3	5.6	1.1	542	1.4	18.4	0.3	-15.2
150	10.6	5.7	3.0	468	1.2	8.8	-0.4	-9.6
175	10.4	5.9	4.4	394	1.1	6.8	-0.8	-10.4
200	8.9	5.8	4.8	277	1.0	5.6	-0.4	-4.8
225	8.8	6.3	4.7	80	1.1	2.8	0.1	-2.0
250	8.8	6.5	4.1	20	1.1	2.4	0.2	-3.6

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

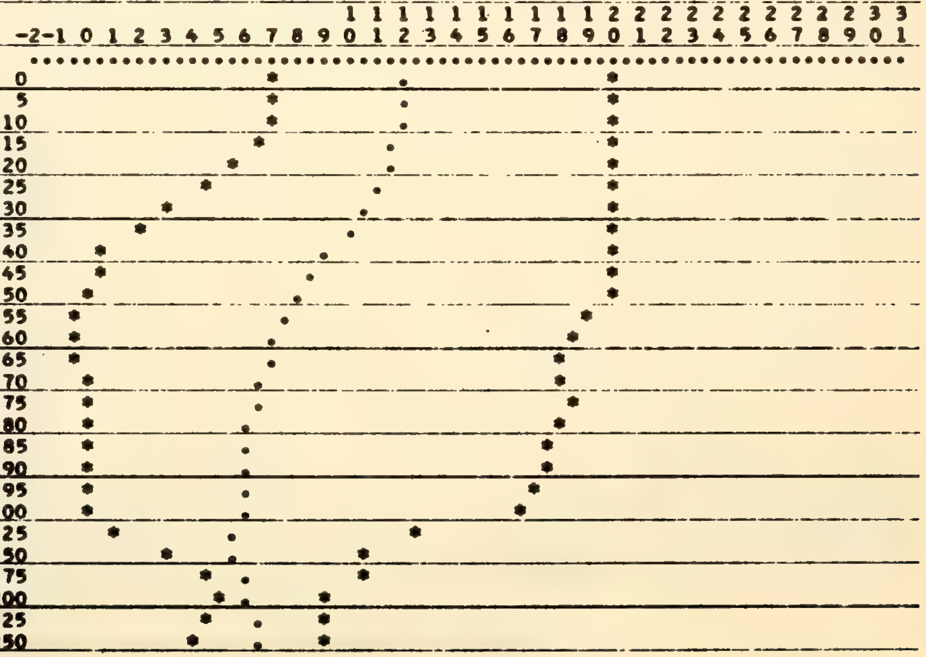


Table VI-1.--Continued

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                         NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 1     MONTH 11

DEPTH                                             GRADIENT
METERS MAX    AVG    MIN    NUM   SDEV       MAX      AVG     MIN
     0 16.9   9.4    4.8    865    1.3       0.0      0.0     0.0    0
     5 16.0   9.4    4.9    865    1.3      48.0      0.1   -10.0    5
    10 16.0   9.4    4.7    865    1.3      44.0      0.2   -12.0   10
    15 16.0   9.3    4.4    865    1.3      18.0      0.3   -14.0   15
    20 16.0   9.3    4.3    863    1.3      34.0      0.4   -14.0   20
    25 16.2   9.3    4.2    863    1.3      38.0      0.8   -20.0   25
    30 17.0   9.2    1.1    863    1.4      96.0      1.4   -28.0   30
    35 17.1   9.1    2.7    860    1.4      52.0      1.9   -92.0   35
    40 17.0   8.9    1.4    855    1.4      82.0      3.8   -18.0   40
    45 16.1   8.6    0.2    852    1.5     110.0      6.0    -8.0   45
    50 15.2   8.3   -1.1    843    1.6     126.0      7.2   -96.0   50
    55 13.6   7.9   -1.7    833    1.7      76.0      7.1   -16.0   55
    60 14.0   7.6   -1.8    828    1.8     120.0      5.9   -18.0   60
    65 14.0   7.4   -1.8    813    1.9      86.0      5.0   -10.0   65
    70 13.9   7.2   -1.7    803    1.9      82.0      4.0   -22.0   70
    75 14.2   7.0   -1.8    791    1.9      86.0      3.6   -12.0   75
    80 11.8   6.8   -1.9    761    1.8      40.0      2.6   -24.0   80
    85 11.8   6.7   -1.8    742    1.8      40.0      2.4   -28.0   85
    90 11.5   6.6   -1.8    722    1.8      32.0      2.1   -38.0   90
    95 11.1   6.5   -1.8    672    1.7      30.0      1.7   -26.0   95
   100 10.9   6.4   -1.8    672    1.6      34.0      1.3   -42.0  100
   125 10.9   6.3   -1.6    577    1.4      11.6      0.1   -29.6  125
   150 11.5   6.4    1.1    485    1.3       6.0     -0.5   -14.0  150
   175 11.0   6.4    1.6    347    1.3       6.8     -0.5    -8.4  175
   200 10.8   6.5    2.6    193    1.2       6.0     -0.5    -4.4  200
   225 10.4   6.7    2.7     81    1.2       3.6     -0.2    -4.8  225
   250  9.8   6.7    2.6     36    1.2       3.6      0.4    -1.2  250
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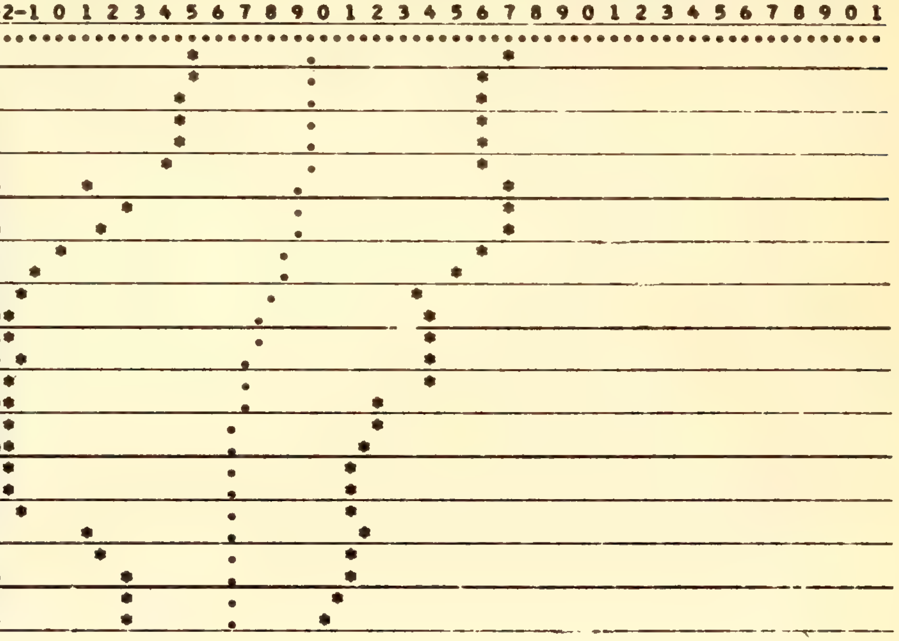
MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



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                         NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 1     MONTH 12

DEPTH                                             GRADIENT
METERS MAX    AVG    MIN    NUM   SDEV       MAX      AVG     MIN
     0 10.1   6.6    1.0    327    1.2       0.0      0.0     0.0    0
     5 10.2   6.6    1.0    327    1.2       4.0     -0.1   -10.0    5
    10 10.3   6.6    1.1    327    1.2       2.0     -0.1    -6.0   10
    15 10.3   6.6    1.1    327    1.2       4.0     -0.2    -8.0   15
    20 10.4   6.6    1.2    326    1.2       4.0     -0.3    -6.0   20
    25 10.4   6.6    1.3    324    1.2       4.0     -0.2   -12.0   25
    30 10.4   6.6    1.6    324    1.2      20.0     -0.2   -12.0   30
    35 10.4   6.6    0.7    322    1.3      64.0      0.1    -4.0   35
    40 10.4   6.6   -0.2    318    1.3      44.0      0.3   -10.0   40
    45 10.4   6.6   -0.3    313    1.4      54.0      0.4   -22.0   45
    50 10.4   6.5   -0.3    307    1.5      62.0      1.0   -24.0   50
    55 11.6   6.4   -0.6    304    1.7      52.0      1.6   -28.0   55
    60 13.2   6.4   -1.0    299    1.8      52.0      1.2   -32.0   60
    65 13.7   6.3   -0.8    289    1.9      70.0      1.0   -70.0   65
    70 13.8   6.3   -0.7    282    1.9     126.0      1.0   -12.0   70
    75 13.9   6.2   -0.8    268    2.0      34.0      0.8   -20.0   75
    80 14.0   6.2   -0.9    258    2.0      22.0      0.8   -12.0   80
    85 14.1   6.1   -1.2    254    2.0      16.0      0.8   -12.0   85
    90 13.9   6.1   -1.3    242    2.1      12.0      0.4   -34.0   90
    95 13.9   6.0   -1.3    221    2.1      88.0      0.8   -24.0   95
   100 13.8   6.0   -1.3    221    2.1      20.0     -0.3   -92.0  100
   125 11.1   5.9   -1.5    188    1.7      10.8      0.3   -17.6  125
   150  9.6   6.1    1.5    142    1.3       6.8      0.0    -4.4  150
   175  8.8   6.1    1.8    107    1.1       5.2     -0.2    -6.0  175
   200  8.4   6.1    2.8     68    1.0       2.4     -0.4    -4.4  200
   225  7.9   6.2    3.2     39    1.0       2.4     -0.3    -3.6  225
   250  7.1   6.0    3.3     21    1.0       2.8     -0.2    -2.0  250
```

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

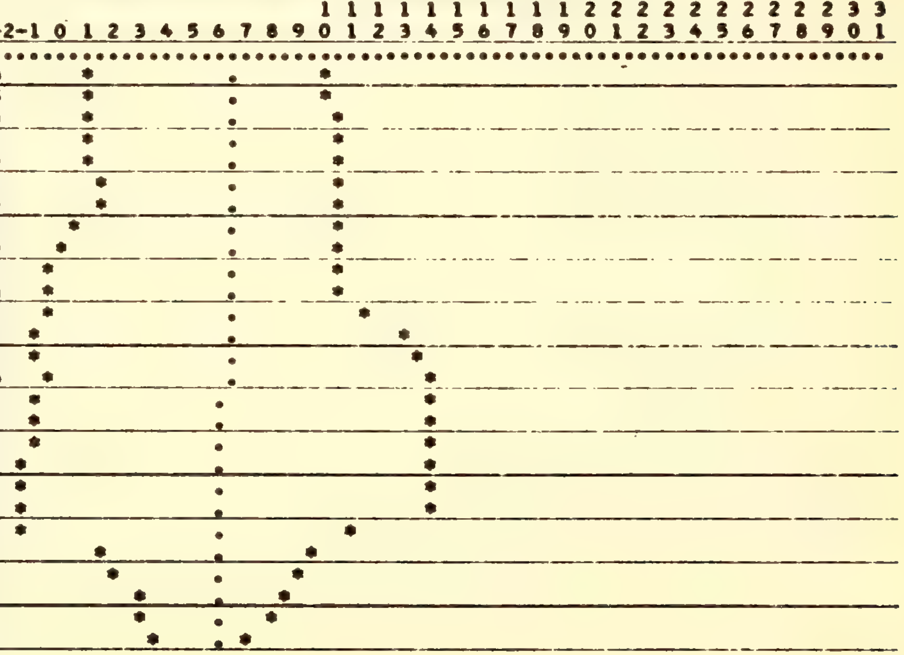


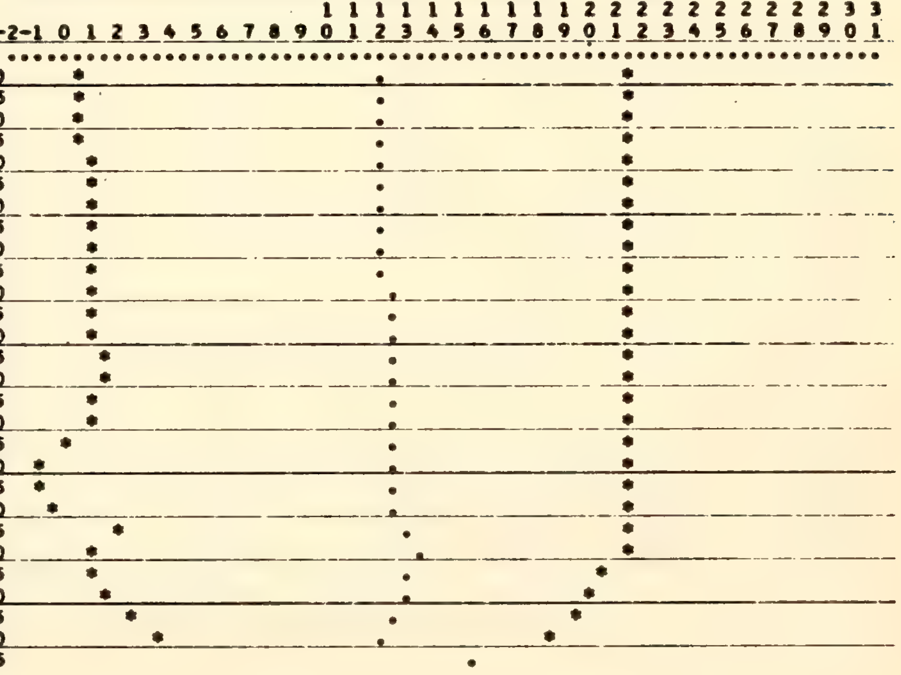
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2 MONTH 1

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	21.4	11.9	0.6	114	6.7	0.0	0.0	0.0	0
5	21.4	11.9	0.6	114	6.7	4.0	-0.3	-8.0	5
10	21.4	11.9	0.7	114	6.7	6.0	-0.3	-6.0	10
15	21.4	11.9	0.7	114	6.7	2.0	-0.4	-10.0	15
20	21.5	12.0	0.8	114	6.7	6.0	-1.0	-34.0	20
25	21.5	12.0	0.8	114	6.6	8.0	-0.9	-44.0	25
30	21.5	12.1	0.8	114	6.6	6.0	-1.1	-42.0	30
35	21.5	12.1	0.9	114	6.6	4.0	-0.9	-32.0	35
40	21.5	12.2	0.9	114	6.6	6.0	-0.9	-44.0	40
45	21.5	12.2	1.0	114	6.5	16.0	-1.4	-66.0	45
50	21.5	12.3	1.1	114	6.5	10.0	-1.6	-54.0	50
55	21.5	12.4	1.1	114	6.4	36.0	-1.4	-74.0	55
60	21.5	12.5	1.2	114	6.3	16.0	-1.8	-56.0	60
65	21.5	12.5	1.3	114	6.2	38.0	-1.7	-38.0	65
70	21.5	12.6	1.4	114	6.1	68.0	-0.9	-88.0	70
75	21.5	12.6	1.2	114	6.0	28.0	0.1	-30.0	75
80	21.5	12.5	1.0	114	6.0	36.0	0.9	-18.0	80
85	21.5	12.5	0.1	113	6.0	34.0	0.7	-50.0	85
90	21.5	12.4	-1.0	112	6.0	34.0	0.0	-28.0	90
95	21.5	12.5	-0.9	111	5.9	12.0	-0.8	-52.0	95
100	21.5	12.5	-0.5	111	5.9	10.0	-0.3	-34.0	100
125	21.5	13.0	2.1	105	5.4	9.2	-0.7	-34.0	125
150	21.4	13.3	1.2	88	5.3	10.4	0.4	-10.4	150
175	20.7	13.2	1.2	86	5.0	8.0	1.4	-4.8	175
200	19.9	13.0	1.4	77	4.8	6.0	2.0	-4.0	200
225	19.4	12.5	2.6	53	4.6	5.6	2.5	-1.2	225
250	18.7	12.0	3.7	26	4.1	4.4	2.4	-1.2	250
275	15.3	15.3	15.3	1	0.0	1.6	1.6	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2 MONTH 2

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	18.4	8.6	0.0	181	5.5	0.0	0.0	0.0	0
5	18.0	8.6	0.0	181	5.5	8.0	0.1	-4.0	5
10	17.2	8.6	0.0	181	5.5	16.0	0.0	-4.0	10
15	17.2	8.6	-0.1	181	5.4	24.0	0.1	-8.0	15
20	17.2	8.6	0.0	181	5.4	6.0	-0.4	-22.0	20
25	17.2	8.6	0.0	181	5.4	14.0	-0.3	-30.0	25
30	17.2	8.7	0.0	181	5.4	12.0	-0.4	-26.0	30
35	17.2	8.7	0.0	181	5.4	6.0	-0.8	-32.0	35
40	17.1	8.7	0.0	181	5.4	8.0	-0.8	-28.0	40
45	17.1	8.8	0.0	181	5.3	6.0	-1.1	-36.0	45
50	17.1	8.9	0.0	178	5.3	14.0	-1.0	-20.0	50
55	17.1	9.2	0.1	170	5.2	12.0	-1.4	-24.0	55
60	17.1	9.3	0.2	170	5.1	6.0	-1.6	-18.0	60
65	17.1	9.4	0.3	167	5.0	4.0	-1.3	-18.0	65
70	17.1	9.4	0.3	167	5.0	6.0	-1.6	-24.0	70
75	17.1	9.7	0.4	163	4.9	30.0	-2.4	-60.0	75
80	17.2	9.8	0.5	163	4.8	26.0	-2.5	-48.0	80
85	17.2	9.9	0.8	163	4.8	8.0	-2.3	-26.0	85
90	17.2	10.0	0.9	161	4.8	30.0	-1.1	-32.0	90
95	17.2	10.1	0.9	159	4.7	22.0	-0.8	-26.0	95
100	17.2	10.1	0.9	159	4.7	16.0	-1.1	-28.0	100
125	17.2	10.5	1.9	147	4.4	9.2	-1.0	-10.8	125
150	17.2	11.9	3.6	79	3.7	7.6	0.3	-8.0	150
175	17.1	12.0	4.4	72	3.6	5.2	0.3	-3.6	175
200	17.1	12.3	5.3	63	3.6	9.6	0.5	-6.0	200
225	17.1	11.7	5.4	40	3.3	6.8	0.5	-4.4	225
250	14.4	10.2	5.2	26	3.4	7.2	1.5	-2.0	250
275	13.6	13.0	12.4	4	0.5	6.4	2.3	-0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

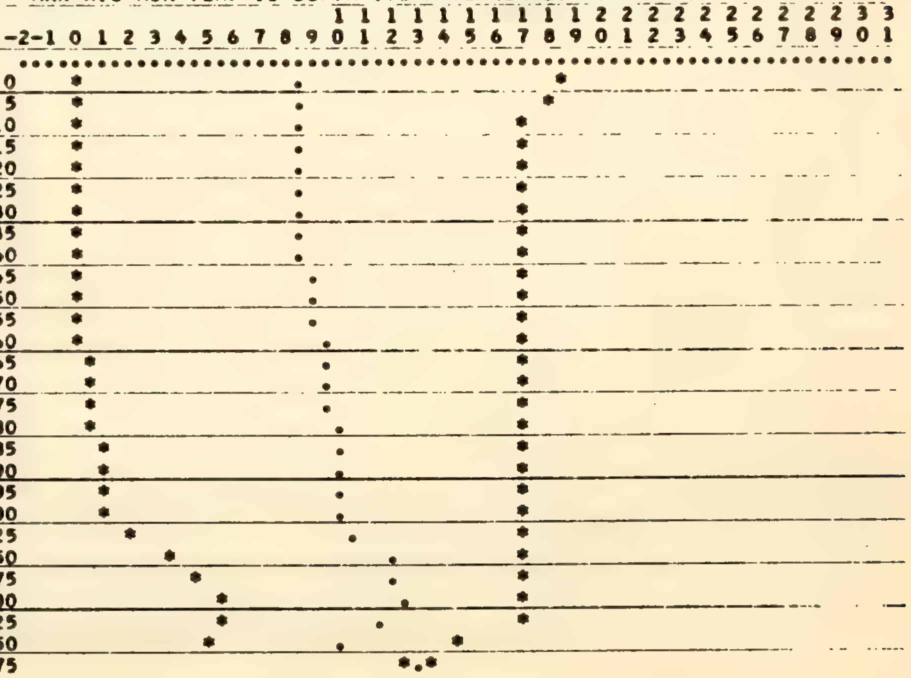


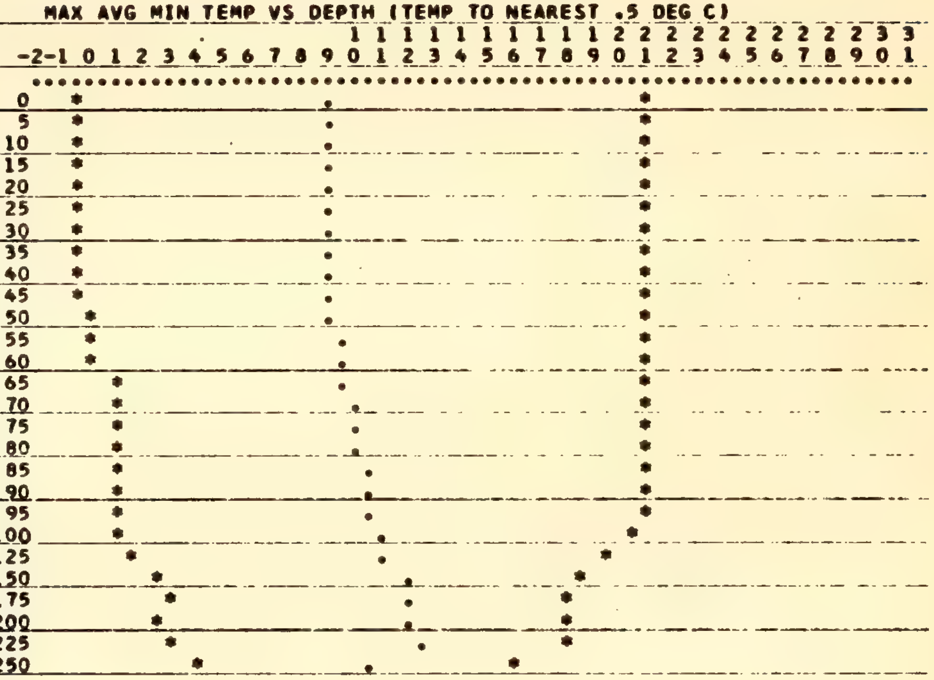
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	20.8	9.0	-0.4	79	6.5	0.0	0.0	0.0
5	20.8	9.0	-0.3	79	6.5	14.0	-0.3	-8.0
10	20.8	9.0	-0.3	79	6.5	18.0	0.1	-2.0
15	20.8	9.0	-0.3	79	6.5	2.0	-0.3	-14.0
20	20.8	9.0	-0.3	79	6.5	6.0	-0.2	-6.0
25	20.8	9.0	-0.3	79	6.4	6.0	-0.5	-18.0
30	20.8	9.0	-0.3	79	6.4	4.0	-0.4	-10.0
35	20.8	9.1	-0.3	79	6.4	4.0	-0.6	-14.0
40	20.8	9.1	-0.3	79	6.4	4.0	-0.3	-8.0
45	20.8	9.1	-0.3	79	6.4	2.0	-1.1	-14.0
50	20.8	9.2	-0.2	79	6.3	2.0	-1.0	-20.0
55	20.8	9.3	0.2	79	6.3	4.0	-2.0	-30.0
60	20.8	9.5	0.1	77	6.2	6.0	-2.4	-24.0
65	20.8	9.7	0.9	76	6.0	8.0	-2.5	-48.0
70	20.8	9.8	1.1	76	5.9	4.0	-2.0	-18.0
75	20.8	9.9	1.1	76	5.8	14.0	-1.5	-22.0
80	20.8	10.1	1.2	75	5.6	16.0	-2.1	-30.0
85	20.8	10.3	1.2	75	5.5	8.0	-3.7	-38.0
90	20.8	10.6	1.2	72	5.4	6.0	-2.1	-20.0
95	20.8	10.7	0.9	69	5.4	6.0	-2.4	-32.0
100	20.6	10.8	0.8	69	5.4	60.0	-0.6	-38.0
125	19.3	11.0	1.6	63	4.8	6.8	-1.5	-14.8
150	18.3	11.9	2.4	49	4.5	7.6	-0.1	-9.2
175	18.2	12.0	3.0	47	4.3	9.2	0.3	-5.2
200	18.2	11.9	2.3	46	4.5	8.0	0.5	-4.4
225	18.2	12.5	3.0	39	4.2	8.0	0.7	-2.0
250	15.8	10.5	3.8	20	3.8	13.6	1.2	-2.4

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	20.1	9.1	-0.6	127	5.8	0.0	0.0	0.0
5	20.1	9.1	-0.6	127	5.9	10.0	-0.1	-20.0
10	20.1	9.2	-0.6	127	5.9	18.0	-0.3	-18.0
15	20.1	9.2	-0.6	127	5.8	16.0	-0.9	-24.0
20	19.9	9.2	-0.6	127	5.7	22.0	-0.5	-50.0
25	19.8	9.2	-0.6	127	5.7	22.0	-0.2	-36.0
30	19.7	9.3	-0.6	127	5.6	56.0	-0.4	-58.0
35	19.7	9.3	-0.6	127	5.5	32.0	-0.5	-22.0
40	19.6	9.4	-0.7	126	5.4	20.0	-0.7	-18.0
45	19.4	9.5	-0.7	125	5.3	18.0	-2.3	-92.0
50	19.1	9.6	-0.7	125	5.2	22.0	-1.7	-48.0
55	18.9	9.6	-0.7	124	5.1	18.0	-1.8	-64.0
60	18.7	9.8	-0.7	122	5.0	18.0	-1.4	-36.0
65	18.5	9.9	-0.7	122	4.9	14.0	-2.1	-60.0
70	18.7	10.0	-0.7	122	4.7	18.0	-2.8	-74.0
75	18.5	10.1	-0.7	120	4.7	22.0	-1.8	-28.0
80	18.3	10.2	-0.7	117	4.6	18.0	-1.2	-26.0
85	18.3	10.3	-0.7	116	4.5	18.0	-2.1	-38.0
90	18.2	10.4	-0.8	115	4.5	8.0	-2.4	-62.0
95	18.1	10.5	-1.0	113	4.4	10.0	-1.7	-28.0
100	18.1	10.6	-1.4	113	4.3	34.0	-1.6	-46.0
125	17.9	11.0	-1.6	100	3.9	11.6	-0.4	-10.8
150	16.6	11.6	3.3	80	3.1	7.2	0.5	-12.0
175	16.5	11.5	2.2	76	2.9	9.6	1.2	-6.0
200	16.5	11.6	2.2	70	2.6	10.0	1.1	-2.8
225	16.4	11.3	2.3	60	2.8	9.2	1.3	-1.2
250	13.9	10.9	-0.8	45	2.9	51.6	2.7	-2.0

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

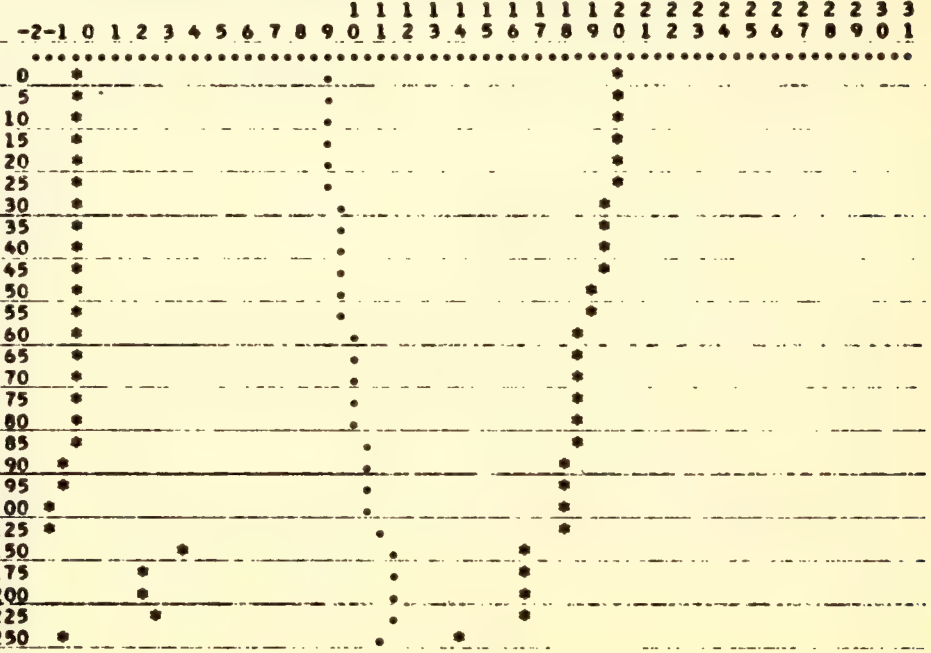
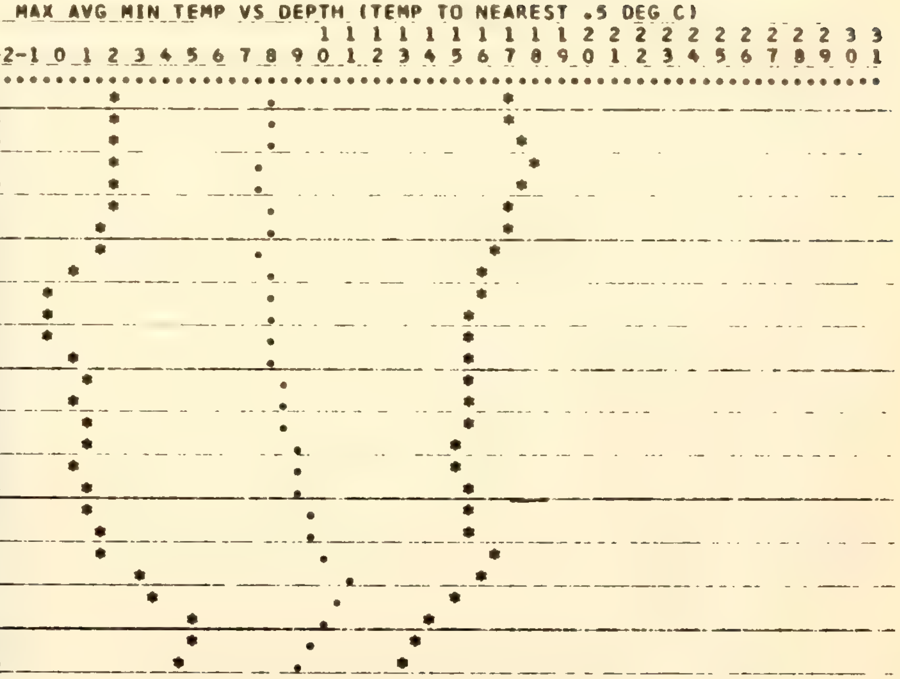


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2   MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	16.9	8.0	1.8	76	3.5	0.0	0.0	0.0	0
5	17.1	7.9	1.8	76	3.6	62.0	1.9	-18.0	5
10	17.6	7.8	1.8	76	3.6	32.0	1.6	-18.0	10
15	17.8	7.7	1.8	76	3.7	30.0	1.7	-18.0	15
20	17.5	7.7	1.8	76	3.7	54.0	0.1	-26.0	20
25	17.2	7.8	1.8	76	3.8	30.0	-1.7	-52.0	25
30	16.9	7.8	1.7	76	3.7	54.0	0.1	-44.0	30
35	16.6	7.7	1.4	74	3.8	76.0	0.2	-30.0	35
40	16.1	7.8	0.5	74	3.8	44.0	-1.7	-40.0	40
45	15.9	8.0	-0.3	74	3.9	46.0	-3.3	-70.0	45
50	15.7	8.0	-0.4	74	4.0	20.0	-1.7	-44.0	50
55	15.7	8.1	-0.3	73	4.1	22.0	-2.7	-24.0	55
60	15.6	8.2	0.3	72	4.0	80.0	-1.0	-24.0	60
65	15.4	8.4	0.9	72	3.9	20.0	-3.8	-58.0	65
70	15.4	8.5	0.7	71	3.8	44.0	-1.2	-34.0	70
75	15.3	8.7	0.8	71	3.7	46.0	-2.8	-44.0	75
80	15.2	8.9	0.9	70	3.6	24.0	-3.4	-46.0	80
85	15.2	9.1	0.7	70	3.6	16.0	-3.8	-40.0	85
90	15.3	9.2	0.9	69	3.6	24.0	-2.3	-16.0	90
95	15.6	9.5	1.2	67	3.5	8.0	-2.5	-20.0	95
100	15.7	9.6	1.3	67	3.4	14.0	-1.9	-26.0	100
125	16.3	10.2	1.7	61	3.0	6.8	-2.3	-21.2	125
150	15.9	10.8	2.8	37	2.8	7.2	0.2	-7.2	150
175	15.1	10.5	3.4	35	2.8	7.2	1.5	-4.4	175
200	13.9	10.1	5.0	32	2.5	8.4	1.5	-11.6	200
225	13.6	9.5	5.1	28	2.4	12.0	2.6	-5.2	225
250	12.9	8.9	4.7	24	2.4	12.0	3.3	-2.8	250


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2   MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	22.8	12.9	4.9	109	5.2	0.0	0.0	0.0	0
5	22.8	12.6	4.8	109	5.2	34.0	4.8	-4.0	5
10	22.9	12.4	3.7	109	5.3	24.0	4.4	-16.0	10
15	22.9	12.1	2.4	109	5.4	58.0	6.2	-22.0	15
20	22.6	11.7	1.4	109	5.4	58.0	7.3	-30.0	20
25	22.6	11.3	0.9	109	5.5	110.0	8.9	-54.0	25
30	22.6	10.9	0.6	109	5.7	114.0	7.0	-68.0	30
35	22.6	10.5	0.6	109	5.7	60.0	8.7	-50.0	35
40	22.6	10.1	0.4	109	5.7	58.0	8.8	-68.0	40
45	22.6	9.6	0.4	108	5.8	72.0	8.7	-36.0	45
50	22.5	9.3	0.4	108	5.9	38.0	6.4	-66.0	50
55	21.2	9.1	-0.1	107	5.7	54.0	5.3	-86.0	55
60	20.8	8.8	-0.6	106	5.6	34.0	3.1	-22.0	60
65	20.4	8.9	-0.6	102	5.6	32.0	2.5	-22.0	65
70	20.1	8.9	-0.7	102	5.6	30.0	0.3	-26.0	70
75	19.6	9.1	-0.4	100	5.6	18.0	-1.4	-32.0	75
80	19.4	9.2	-0.4	98	5.6	30.0	-2.2	-54.0	80
85	19.1	9.3	-0.1	97	5.5	22.0	-2.1	-34.0	85
90	19.0	9.4	0.2	97	5.3	34.0	-1.7	-30.0	90
95	18.9	9.5	0.5	97	5.1	70.0	-1.4	-54.0	95
100	18.7	9.6	0.6	97	5.0	28.0	-2.8	-32.0	100
125	18.4	9.8	0.9	87	4.6	12.4	-0.3	-10.4	125
150	18.4	9.8	1.9	65	4.5	6.0	0.9	-6.4	150
175	18.3	9.6	2.4	63	4.2	6.8	0.7	-6.8	175
200	17.9	9.2	3.2	58	4.0	10.4	0.7	-9.6	200
225	17.9	8.2	3.5	50	3.5	4.8	0.8	-6.4	225
250	14.7	7.7	4.5	28	2.9	5.6	1.1	-4.0	250
275	10.2	10.0	9.9	2	0.2	4.8	3.8	2.8	275

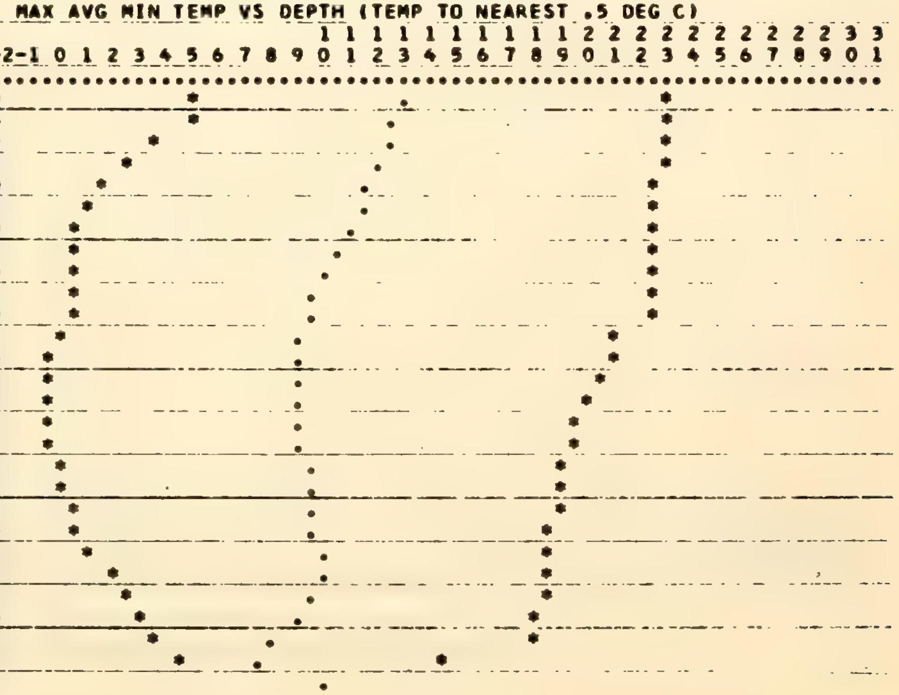

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.--Continued

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                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2     MONTH  7
                                                                MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                             GRADIENT       -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX    AVG    MIN    NUM   SDEV        MAX     AVG    MIN
     0 27.1   16.7   7.1    148   3.9         0.0     0.0    0.0    0
     5 25.5   16.3   6.6    148   4.0        78.0     7.3   -6.0    5
    10 25.3   15.8   6.2    148   4.3        8C.0    10.2  -40.0   10
    15 25.3   14.9   4.8    148   4.7       106.0    17.4  -32.0   15
    20 25.3   13.7   4.1    148   5.1       110.0    24.6   -6.0   20
    25 25.2   12.3   2.3    148   5.4        92.0    28.1  -38.0   25
    30 25.1   11.1   2.3    148   5.6       108.0    23.2  -96.0   30
    35 24.8   10.0   1.4    148   5.7        9C.0    23.0  -26.0   35
    40 24.8    9.3   0.9    148   5.7        96.0    13.6  -44.0   40
    45 24.4    8.9   0.2    148   5.6        5C.0     8.7  -82.0   45
    50 23.2    8.6   0.2    148   5.5        44.0     4.9  -98.0   50
    55 22.8    8.5   0.1    147   5.4        42.0     3.9  -50.0   55
    60 22.5    8.4   0.0    147   5.3        26.0     0.4  -54.0   60
    65 22.3    8.5   0.0    143   5.2        4C.0    -1.4  -72.0   65
    70 21.9    8.6  -0.1    142   5.1        38.0    -1.4  -92.0   70
    75 21.6    8.7  -0.2    142   5.0        28.0    -2.1  -32.0   75
    80 21.2    8.9  -0.2    140   4.9        44.0    -2.5  -64.0   80
    85 21.0    9.0  -0.1    140   4.7        28.0    -2.2  -42.0   85
    90 20.6    9.1   0.1    139   4.6        20.0    -1.9  -30.0   90
    95 18.8    9.2   0.1    132   4.5        20.0    -1.6  -34.0   95
   100 18.8    9.2   0.1    132   4.4        22.0    -0.6  -26.0  100
   125 18.5    9.2   0.4    118   4.0        11.2     0.1   -8.8  125
   150 18.2    8.3   0.8     74   4.0         6.8    -0.1  -11.6  150
   175 18.1    8.1   0.7     68   3.7        14.4     1.4   -7.2  175
   200 17.6    8.0   0.8     55   3.7         7.2     1.1  -10.8  200
   225 15.2    8.8   4.4     27   3.1         6.8     2.1   -4.8  225
   250 11.7    8.5   5.5     20   2.3         7.6     3.0    0.4  250
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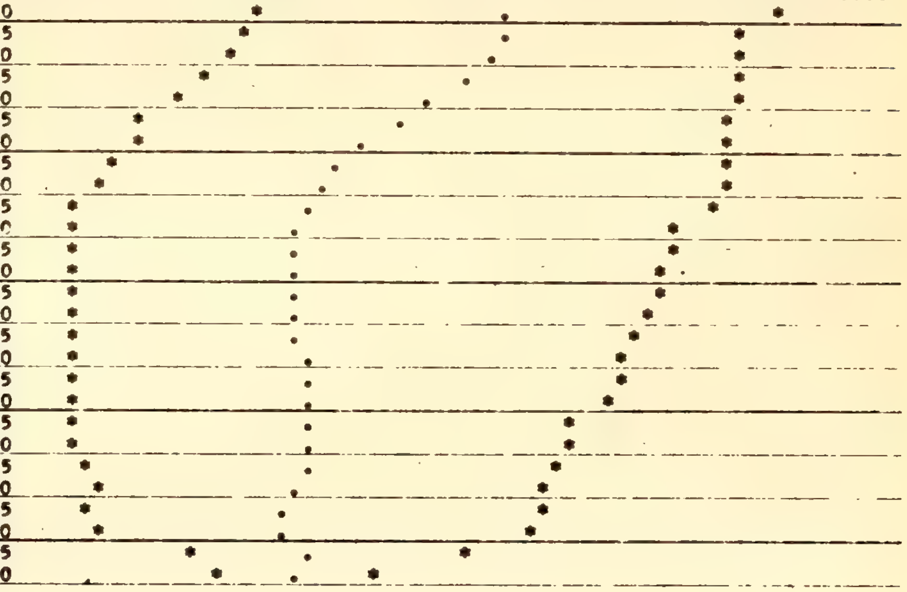

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                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2     MONTH  8
                                                                MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                             GRADIENT       -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX    AVG    MIN    NUM   SDEV        MAX     AVG    MIN
     0 24.8   20.0  13.7    204   2.1         0.0     0.0    0.0    0
     5 24.8   19.8  13.7    204   2.2        42.0     3.1   -8.0    5
    10 24.8   19.4  11.1    204   2.3       114.0     9.2  -28.0   10
    15 24.8   18.2   7.4    203   3.4       148.0    23.9  -22.0   15
    20 24.8   16.0   4.8    202   4.6       140.0    43.3  -14.0   20
    25 24.8   13.8   3.1    202   5.3       166.0    44.7  -26.0   25
    30 24.7   11.9   2.3    202   5.5       136.0    37.8  -52.0   30
    35 24.6   10.3   1.6    202   5.5        98.0    32.1  -29.0   35
    40 23.9    9.1   1.1    202   5.5       128.0    23.8  -86.0   40
    45 22.8    8.3   0.6    202   5.4        72.0    16.8  -56.0   45
    50 22.2    7.8   0.3    200   5.3        52.0    10.1  -34.0   50
    55 21.6    7.6   0.6    198   5.2        80.0     5.4  -30.0   55
    60 20.0    7.4   0.7    198   5.1       106.0     2.4  -78.0   60
    65 19.5    7.4   0.6    198   4.9        32.0     0.3  -44.0   65
    70 19.5    7.5   0.6    198   4.9        26.0    -1.7  -68.0   70
    75 19.7    7.6   0.6    198   4.7        80.0    -1.3  -36.0   75
    80 19.6    7.7   0.7    198   4.7        20.0    -2.5  -40.0   80
    85 19.4    7.9   1.0    198   4.6        28.0    -3.2  -48.0   85
    90 19.2    7.9   1.3    197   4.4        22.0    -2.0  -30.0   90
    95 18.9    8.0   1.8    197   4.3        16.0    -2.1  -32.0   95
   100 18.7    8.1   2.2    197   4.2        30.0    -2.0  -50.0  100
   125 17.9    8.5   2.8    180   3.6        11.2    -1.9  -20.8  125
   150 16.4    8.3   4.0    147   3.2         8.4     0.1  -13.6  150
   175 13.2    8.1   3.9    141   2.9        12.8     0.8  -10.0  175
   200 12.8    7.8   3.9    136   2.5         8.8     0.9   -8.8  200
   225 12.3    7.5   3.8    105   2.4         6.0     1.3   -2.8  225
   250 17.6    6.6   4.2     66   2.2         4.4    -0.6  -46.4  250
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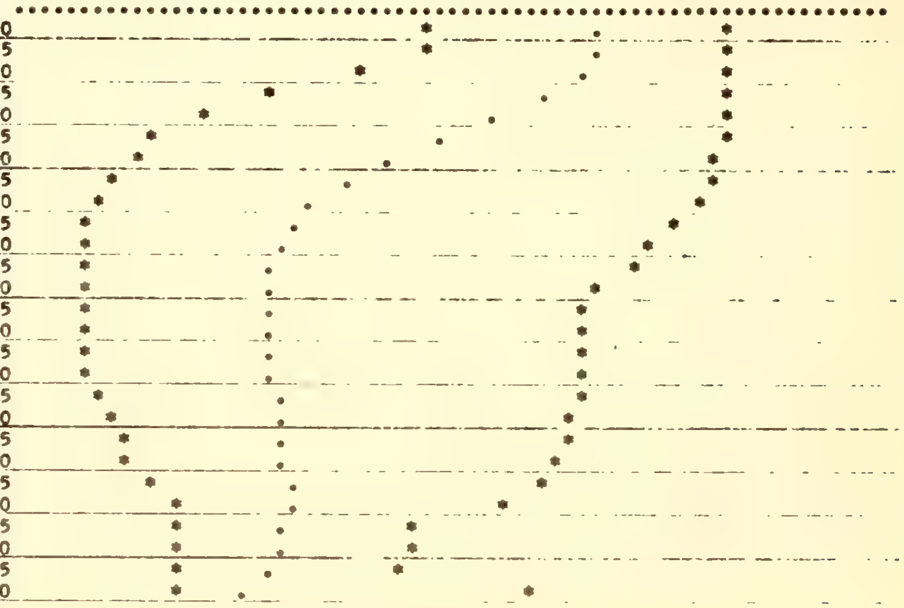


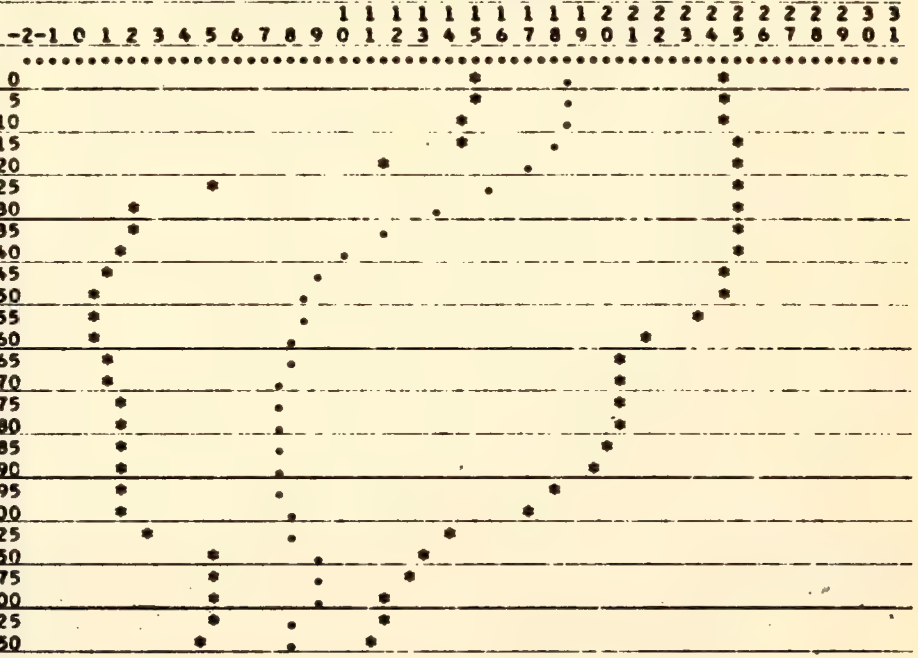
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.7	18.5	14.8	54	2.1	0.0	0.0	0.0	0
5	24.7	18.4	14.8	54	2.1	12.0	0.4	-18.0	5
10	24.7	18.4	14.7	54	2.1	26.0	1.3	-8.0	10
15	24.8	18.2	14.7	54	2.2	50.0	4.3	-4.0	15
20	24.8	17.2	11.6	54	2.6	118.0	18.1	-20.0	20
25	24.8	15.5	5.1	53	4.0	182.0	36.4	-20.0	25
30	24.8	13.3	2.2	53	5.0	162.0	42.7	-40.0	30
35	24.8	11.6	1.8	53	5.3	100.0	34.1	-58.0	35
40	24.8	10.2	1.4	53	5.5	78.0	28.9	-12.0	40
45	24.7	9.2	0.8	53	5.7	80.0	19.7	-32.0	45
50	24.7	8.6	0.7	53	5.8	40.0	11.7	-30.0	50
55	23.6	8.3	0.5	53	5.6	62.0	6.3	-46.0	55
60	21.4	7.9	0.7	52	5.3	72.0	7.6	-28.0	60
65	20.6	7.8	0.9	50	5.1	42.0	5.1	-28.0	65
70	20.4	7.6	1.2	48	5.1	26.0	2.0	-32.0	70
75	20.7	7.6	1.3	47	5.1	26.0	1.2	-18.0	75
80	20.5	7.5	1.6	46	5.0	16.0	-1.2	-18.0	80
85	20.1	7.7	1.6	46	4.8	8.0	-2.7	-22.0	85
90	19.3	7.4	1.5	43	4.3	18.0	-1.4	-14.0	90
95	18.0	7.6	1.5	40	4.2	26.0	-1.5	-20.0	95
100	16.8	7.8	1.7	40	4.2	24.0	-3.9	-30.0	100
125	14.1	8.1	2.4	32	3.5	5.2	-2.4	-14.0	125
150	13.1	9.1	5.1	13	2.8	2.8	-1.9	-10.4	150
175	12.4	9.1	5.2	13	2.3	3.6	-0.2	-9.2	175
200	11.6	8.9	5.1	12	2.2	3.2	1.3	0.0	200
225	11.4	8.2	4.8	10	2.2	4.4	1.9	0.0	225
250	10.8	7.8	4.4	9	2.1	3.6	2.3	1.2	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	23.1	16.4	9.7	84	2.8	0.0	0.0	0.0	0
5	23.0	16.4	9.6	84	2.8	4.0	-0.3	-14.0	5
10	22.9	16.5	9.6	84	2.8	30.0	-1.1	-24.0	10
15	22.9	16.6	9.4	84	2.8	26.0	-2.9	-64.0	15
20	22.9	16.7	8.9	84	2.9	84.0	-1.1	-30.0	20
25	22.9	16.7	6.2	84	3.0	54.0	-0.1	-34.0	25
30	22.9	16.6	3.9	84	3.3	72.0	3.0	-22.0	30
35	22.8	16.3	3.5	84	3.7	90.0	5.4	-46.0	35
40	22.7	15.6	2.7	84	4.5	182.0	14.2	-56.0	40
45	22.6	14.6	2.1	84	5.4	172.0	19.6	-20.0	45
50	22.1	13.6	2.1	84	5.8	100.0	20.9	-40.0	50
55	21.3	12.6	1.2	84	5.8	94.0	20.0	-58.0	55
60	20.8	11.9	1.3	82	5.8	112.0	15.6	-30.0	60
65	20.3	11.2	1.4	82	5.6	74.0	15.2	-10.0	65
70	19.6	10.7	1.3	81	5.6	56.0	8.0	-42.0	70
75	18.9	10.7	1.4	80	5.4	34.0	1.5	-40.0	75
80	18.2	10.7	1.4	80	5.3	50.0	1.0	-40.0	80
85	18.3	10.7	1.6	80	5.1	24.0	-0.9	-50.0	85
90	18.8	10.7	1.6	79	5.0	52.0	-0.4	-24.0	90
95	17.4	10.6	1.6	78	4.9	32.0	0.3	-28.0	95
100	16.0	10.7	1.6	78	4.6	28.0	-1.8	-30.0	100
125	15.2	11.0	2.0	69	3.9	9.2	0.8	-12.4	125
150	14.5	11.3	3.0	54	2.8	7.2	2.2	-11.2	150
175	13.8	10.8	3.8	54	2.5	7.2	2.1	-7.2	175
200	13.4	10.5	5.0	52	2.0	6.8	2.1	-5.2	200
225	13.2	9.9	5.1	52	1.8	4.8	2.1	-2.8	225
250	13.1	9.3	4.5	46	1.6	6.0	3.2	-0.4	250
275	6.6	6.3	6.0	2	0.4	2.0	1.8	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

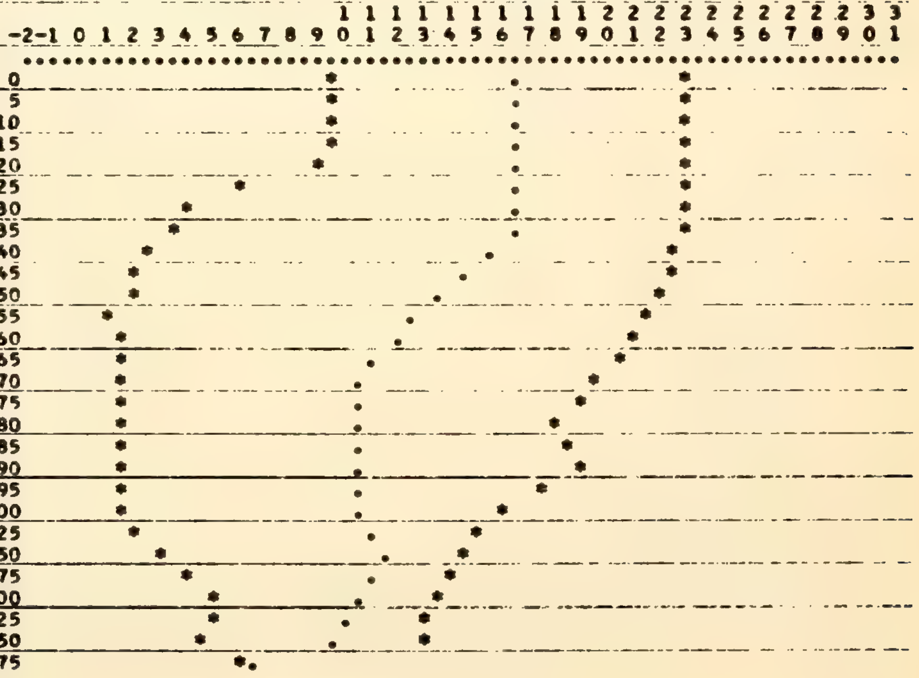
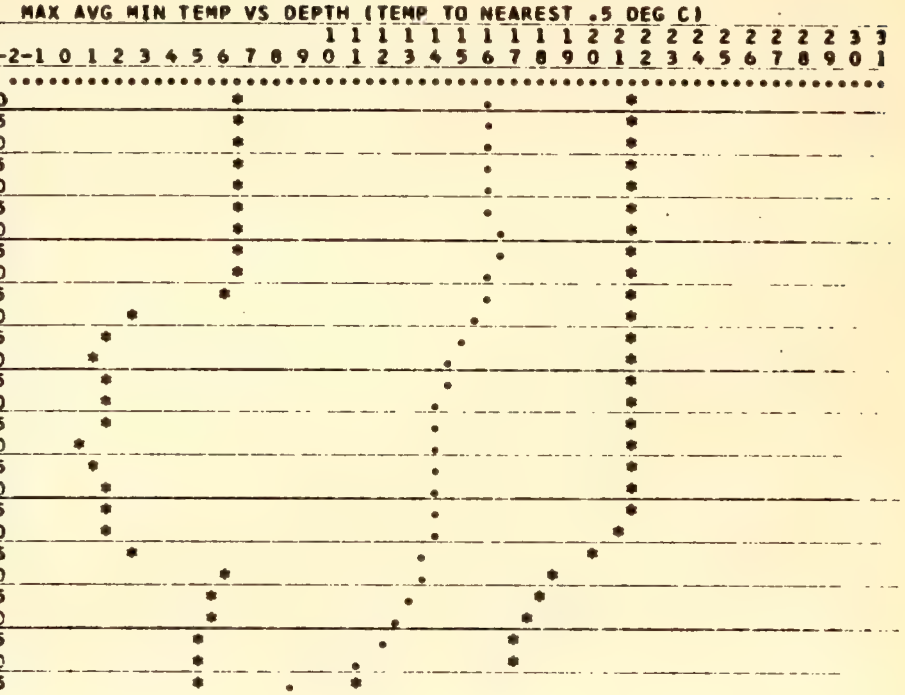


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.5	16.0	6.5	88	4.2	0.0	0.0	0.0	0
5	21.5	16.0	6.5	88	4.2	6.0	-0.2	-6.0	5
10	21.5	16.0	6.5	88	4.2	4.0	-0.2	-8.0	10
15	21.6	16.1	6.5	88	4.2	2.0	-0.2	-6.0	15
20	21.6	16.1	6.5	88	4.1	6.0	-0.6	-26.0	20
25	21.6	16.1	6.5	88	4.1	4.0	-1.2	-32.0	25
30	21.5	16.3	6.5	88	4.1	14.0	-2.8	-78.0	30
35	21.5	16.3	6.5	88	4.1	44.0	-0.1	-42.0	35
40	21.5	16.2	6.4	86	4.3	166.0	4.5	-16.0	40
45	21.5	16.1	5.8	85	4.6	64.0	4.5	-46.0	45
50	21.5	15.6	2.5	84	5.1	94.0	10.9	-18.0	50
55	21.5	15.1	1.4	83	5.6	100.0	12.0	-16.0	55
60	21.5	14.6	1.0	83	6.0	78.0	10.7	-10.0	60
65	21.5	14.3	1.7	82	6.2	70.0	6.8	-52.0	65
70	21.4	14.2	1.7	82	6.3	48.0	2.8	-38.0	70
75	21.4	14.2	1.3	82	6.3	34.0	-0.2	-34.0	75
80	21.4	14.2	0.6	82	6.3	68.0	0.3	-34.0	80
85	21.3	14.2	0.9	82	6.2	20.0	-0.4	-20.0	85
90	21.3	14.2	1.7	82	6.0	38.0	-0.3	-36.0	90
95	21.3	14.2	1.7	81	5.8	34.0	1.9	-32.0	95
100	21.2	14.1	1.6	81	5.7	32.0	2.7	-34.0	100
125	19.8	13.7	2.4	76	4.7	14.4	2.7	-12.4	125
150	18.7	13.7	5.8	67	3.7	13.6	2.6	-6.4	150
175	17.9	13.1	5.7	65	3.2	10.8	2.9	-6.8	175
200	17.4	12.5	5.3	64	2.9	8.8	2.9	-3.6	200
225	17.1	11.9	5.1	50	3.0	9.2	2.7	-6.4	225
250	16.8	11.0	5.1	34	3.5	7.6	2.5	-0.4	250
275	11.0	8.3	5.2	4	2.9	4.8	2.9	2.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	20.7	11.1	3.1	36	5.5	0.0	0.0	0.0	0
5	20.7	11.1	3.1	36	5.5	2.0	-0.3	-6.0	5
10	20.6	11.2	3.1	36	5.5	2.0	-0.5	-12.0	10
15	20.6	11.3	3.1	36	5.5	2.0	-1.8	-22.0	15
20	20.3	11.3	3.1	36	5.4	6.0	-1.4	-20.0	20
25	19.9	11.5	3.1	36	5.4	14.0	-2.4	-54.0	25
30	19.8	11.6	3.0	36	5.3	4.0	-2.6	-42.0	30
35	19.8	11.7	3.0	36	5.3	2.0	-1.9	-22.0	35
40	19.7	11.8	3.0	36	5.3	20.0	-2.0	-36.0	40
45	19.3	11.8	3.0	36	5.3	4C.0	-0.7	-44.0	45
50	19.3	11.9	3.0	36	5.4	50.0	-1.9	-42.0	50
55	19.3	12.0	3.0	35	5.5	28.0	-1.5	-32.0	55
60	19.3	11.9	2.4	35	5.7	28.0	1.2	-28.0	60
65	19.3	11.8	1.9	35	5.9	42.0	2.6	-20.0	65
70	19.5	11.6	1.7	35	6.0	42.0	3.6	-28.0	70
75	19.5	11.2	1.3	35	6.2	38.0	8.1	-16.0	75
80	19.3	10.9	1.1	35	6.5	48.0	6.2	-40.0	80
85	19.3	10.6	1.0	35	6.6	32.0	5.5	-8.0	85
90	19.3	10.5	1.1	35	6.7	42.0	3.1	-8.0	90
95	19.3	10.8	1.4	33	6.7	1C.0	-0.5	-24.0	95
100	19.3	11.0	1.4	33	6.5	8.0	-3.1	-90.0	100
125	18.5	10.9	2.3	27	5.6	8.4	-0.3	-9.6	125
150	17.4	10.9	3.5	18	5.7	6.0	0.9	-5.6	150
175	17.2	10.8	3.9	17	5.0	10.4	1.6	-6.0	175
200	15.9	10.7	3.8	16	4.7	6.0	1.0	-2.8	200
225	15.0	10.5	3.7	16	4.4	4.8	1.1	-4.4	225
250	13.4	8.7	4.8	8	3.7	3.6	1.9	-0.4	250

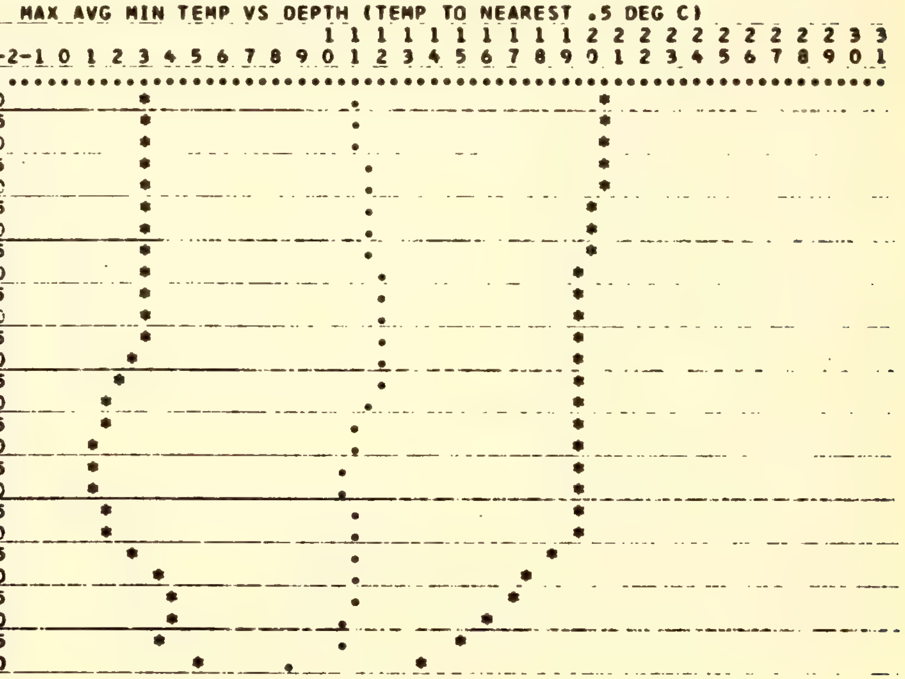
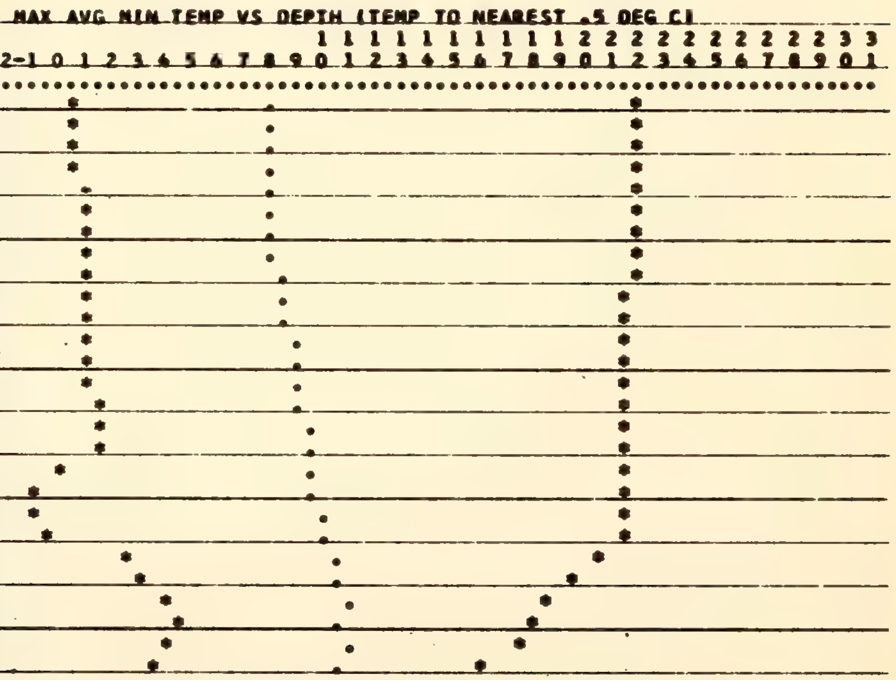


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2A MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.8	8.0	0.6	319	4.9	0.0	0.0	0.0	0
5	21.8	8.0	0.6	319	4.9	4.0	-0.3	-8.0	5
10	21.8	8.0	0.7	319	4.9	4.0	-0.2	-14.0	10
15	21.8	8.1	0.7	319	4.9	10.0	-0.5	-30.0	15
20	21.8	8.1	0.8	319	4.9	8.0	-0.5	-28.0	20
25	21.8	8.1	0.8	319	4.9	10.0	-0.6	-38.0	25
30	21.8	8.2	0.8	318	4.9	22.0	-0.6	-30.0	30
35	21.8	8.2	0.8	316	4.9	18.0	-1.0	-36.0	35
40	21.8	8.3	0.8	311	5.0	30.0	-1.2	-50.0	40
45	21.7	8.4	0.8	305	5.0	14.0	-1.2	-20.0	45
50	21.7	8.6	0.9	294	5.0	12.0	-1.8	-26.0	50
55	21.6	8.8	1.0	281	5.0	10.0	-2.1	-28.0	55
60	21.4	8.9	1.0	271	5.0	44.0	-1.9	-40.0	60
65	21.3	9.1	1.1	248	5.0	34.0	-2.0	-36.0	65
70	21.3	9.2	1.3	243	5.0	36.0	-2.2	-50.0	70
75	21.3	9.4	1.7	232	5.1	42.0	-1.7	-36.0	75
80	21.3	9.6	1.3	218	5.1	34.0	-1.3	-48.0	80
85	21.7	9.7	0.1	210	5.2	32.0	-0.8	-46.0	85
90	21.7	9.7	-1.0	200	5.2	44.0	-0.1	-44.0	90
95	21.6	10.0	-0.9	180	5.2	34.0	-0.3	-22.0	95
100	21.5	10.1	-0.5	180	5.2	20.0	-0.9	-60.0	100
125	20.6	10.6	2.6	140	4.8	12.4	-0.3	-14.8	125
150	19.5	10.6	3.2	109	4.6	10.4	0.6	-11.2	150
175	18.5	10.9	3.9	94	4.3	6.4	0.8	-11.2	175
200	17.9	10.7	4.5	78	4.1	9.6	1.6	-6.0	200
225	17.7	10.8	4.0	55	3.8	7.6	1.5	-3.6	225
250	16.0	10.6	3.7	26	3.2	6.4	2.0	-3.2	250


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2A MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	19.3	4.5	-0.6	434	3.0	0.0	0.0	0.0	0
5	19.3	4.5	-0.7	434	3.0	12.0	-0.3	-20.0	5
10	19.3	4.6	-0.7	434	3.0	4.0	-0.3	-30.0	10
15	19.3	4.6	-0.7	434	3.0	6.0	-0.6	-58.0	15
20	19.3	4.6	-0.7	434	3.1	20.0	-0.8	-52.0	20
25	19.3	4.7	-0.6	433	3.0	4.0	-1.0	-44.0	25
30	19.3	4.7	-0.3	431	3.0	8.0	-1.0	-36.0	30
35	19.4	4.8	0.0	428	3.0	10.0	-1.2	-22.0	35
40	19.4	4.8	0.1	415	3.1	18.0	-1.4	-38.0	40
45	19.4	4.9	0.5	408	3.1	6.0	-1.6	-52.0	45
50	19.4	5.0	0.6	389	3.1	6.0	-1.4	-28.0	50
55	19.4	5.0	0.6	360	3.2	8.0	-1.8	-42.0	55
60	19.4	5.2	0.8	341	3.3	10.0	-2.1	-52.0	60
65	19.4	5.2	0.8	300	3.4	14.0	-2.2	-38.0	65
70	19.4	5.3	0.8	288	3.4	52.0	-2.3	-42.0	70
75	19.4	5.5	0.8	275	3.5	18.0	-2.2	-36.0	75
80	19.4	5.7	0.8	256	3.7	16.0	-2.3	-36.0	80
85	19.4	6.1	0.9	229	3.8	14.0	-2.6	-34.0	85
90	19.5	6.4	0.9	209	3.9	6.0	-2.8	-66.0	90
95	19.6	7.0	0.9	170	3.9	36.0	-2.2	-26.0	95
100	19.6	7.1	0.9	170	3.9	14.0	-2.0	-26.0	100
125	19.5	7.7	1.9	118	3.8	10.0	-1.5	-17.2	125
150	19.2	7.5	2.8	57	3.3	4.4	-1.3	-14.4	150
175	18.4	8.2	4.4	40	3.2	9.6	0.4	-4.0	175
200	18.1	8.6	4.2	30	3.3	4.8	1.1	-4.0	200
225	17.3	8.8	4.3	23	3.3	4.0	1.5	-3.2	225
250	16.4	9.9	4.8	10	3.2	4.8	2.9	0.0	250

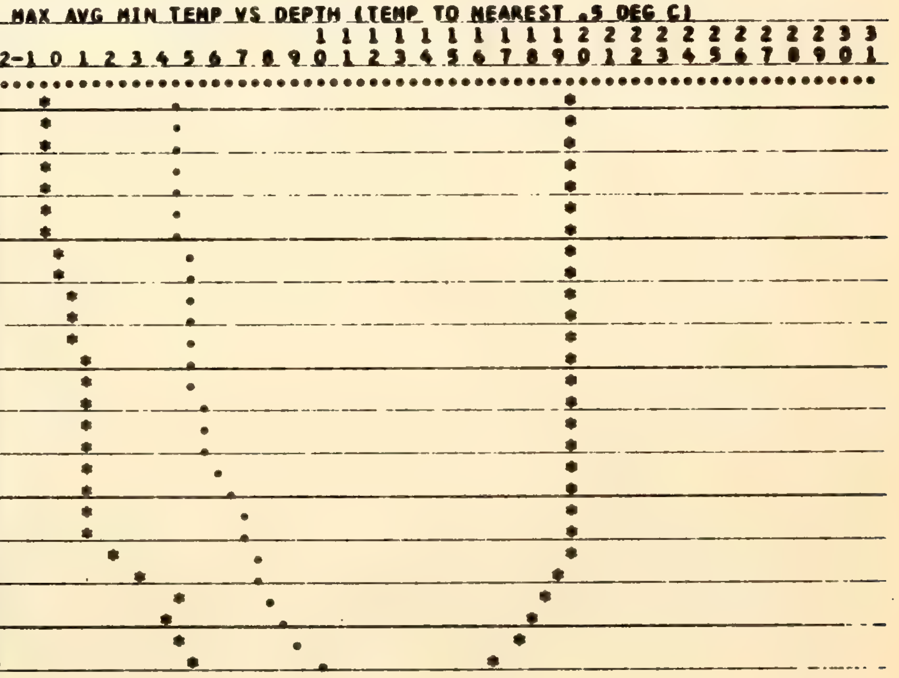
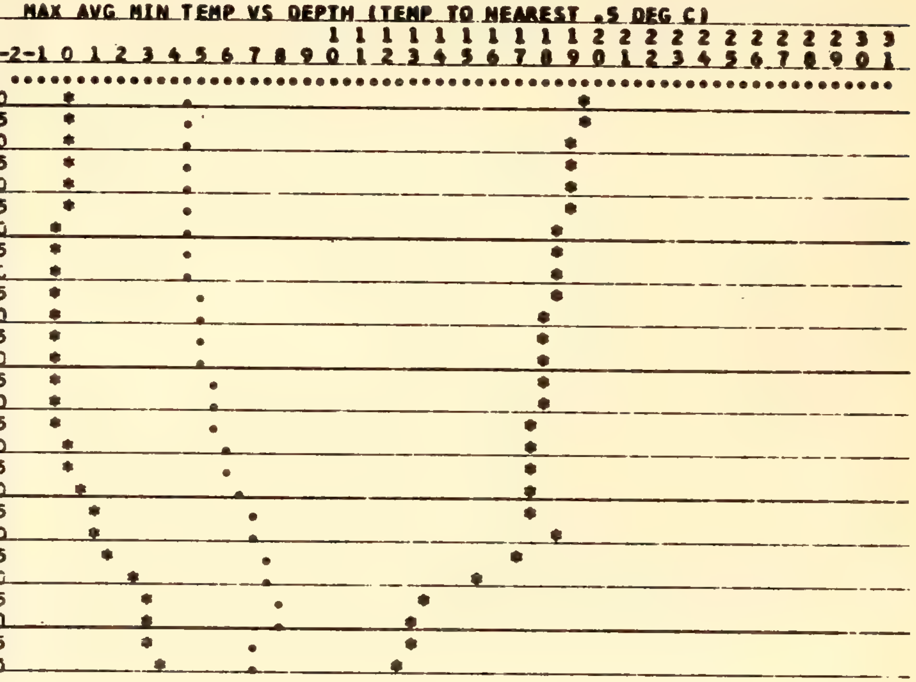

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2A MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	19.3	4.4	0.0	658	2.9	0.0	0.0	0.0	0
5	19.3	4.4	0.0	658	2.9	12.0	0.0	-30.0	5
10	19.0	4.4	0.0	658	2.9	16.0	-0.2	-42.0	10
15	19.1	4.4	0.0	658	2.9	12.0	-0.9	-74.0	15
20	19.0	4.5	-0.1	658	3.0	18.0	-1.2	-96.0	20
25	18.8	4.5	-0.2	656	3.0	6.0	-1.2	-40.0	25
30	18.7	4.6	-0.3	655	3.0	8.0	-1.3	-42.0	30
35	18.7	4.7	-0.3	647	3.1	6.0	-1.6	-174.0	35
40	18.6	4.7	-0.3	635	3.1	172.0	-1.1	-56.0	40
45	18.4	4.8	-0.3	622	3.1	6.0	-1.5	-34.0	45
50	18.1	4.9	-0.4	605	3.2	8.0	-1.7	-56.0	50
55	18.0	5.0	-0.4	579	3.3	10.0	-2.2	-40.0	55
60	17.9	5.2	-0.5	564	3.3	8.0	-2.1	-30.0	60
65	17.9	5.4	-0.5	526	3.4	10.0	-2.2	-48.0	65
70	17.9	5.5	-0.5	504	3.4	14.0	-2.6	-52.0	70
75	17.6	5.7	-0.3	479	3.5	18.0	-2.4	-30.0	75
80	17.6	6.0	-0.2	441	3.5	22.0	-2.6	-42.0	80
85	17.6	6.2	0.0	421	3.5	16.0	-2.9	-38.0	85
90	17.6	6.4	0.6	392	3.6	18.0	-2.8	-38.0	90
95	17.6	6.8	1.2	324	3.6	20.0	-3.1	-40.0	95
100	18.6	7.0	1.2	323	3.6	22.0	-2.6	-40.0	100
125	16.8	7.4	1.6	233	3.2	8.0	-2.2	-19.2	125
150	15.7	7.6	2.3	167	2.9	4.8	-1.8	-20.8	150
175	13.4	8.0	2.8	138	2.7	10.8	-0.5	-13.2	175
200	13.0	7.9	3.0	122	2.5	10.4	1.0	-3.2	200
225	12.9	7.2	3.0	88	2.5	11.6	1.4	-5.2	225
250	12.5	6.8	3.7	66	2.2	8.8	1.1	-10.4	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2A MONTH

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.2	5.8	0.2	1058	3.4	0.0	0.0	0.0	0
5	21.1	5.8	0.2	1058	3.5	38.0	0.7	-86.0	5
10	20.9	5.8	0.2	1058	3.5	24.0	-0.2	-106.0	10
15	20.9	5.8	-0.4	1058	3.5	58.0	-0.7	-62.0	15
20	20.9	5.8	-1.0	1058	3.5	22.0	-0.9	-64.0	20
25	20.9	5.9	-1.2	1058	3.5	24.0	-0.9	-58.0	25
30	20.9	5.9	-1.2	1057	3.5	42.0	-1.0	-52.0	30
35	20.9	6.0	-1.2	1048	3.6	28.0	-1.3	-88.0	35
40	20.3	6.1	-1.2	1022	3.6	34.0	-1.4	-52.0	40
45	19.9	6.2	-1.2	1000	3.6	44.0	-1.7	-50.0	45
50	19.3	6.3	-1.2	971	3.7	28.0	-1.8	-64.0	50
55	19.2	6.4	-1.2	940	3.7	64.0	-1.7	-64.0	55
60	19.1	6.5	-1.1	913	3.7	20.0	-1.8	-34.0	60
65	19.1	6.7	-1.1	831	3.7	30.0	-2.0	-60.0	65
70	19.0	6.9	-1.1	806	3.8	38.0	-2.2	-84.0	70
75	19.1	7.1	-1.1	758	3.8	30.0	-1.8	-42.0	75
80	19.3	7.4	-1.1	704	3.8	20.0	-2.1	-32.0	80
85	19.2	7.6	-0.9	676	3.8	22.0	-3.0	-50.0	85
90	19.2	8.0	-0.8	615	3.8	40.0	-2.5	-36.0	90
95	19.2	8.5	-0.6	535	3.8	34.0	-2.4	-38.0	95
100	18.8	8.6	-0.4	535	3.7	28.0	-2.1	-44.0	100
125	18.5	9.6	-0.2	425	3.3	19.6	-2.0	-16.8	125
150	18.4	10.0	-0.2	339	3.1	18.4	-0.6	-12.4	150
175	18.3	10.4	-0.3	300	2.7	10.0	0.2	-20.0	175
200	17.9	10.3	-0.3	269	2.6	9.2	1.2	-15.6	200
225	17.3	9.9	4.3	188	2.3	9.2	2.3	-3.6	225
250	16.8	9.5	5.0	100	1.9	6.0	2.6	-2.0	250

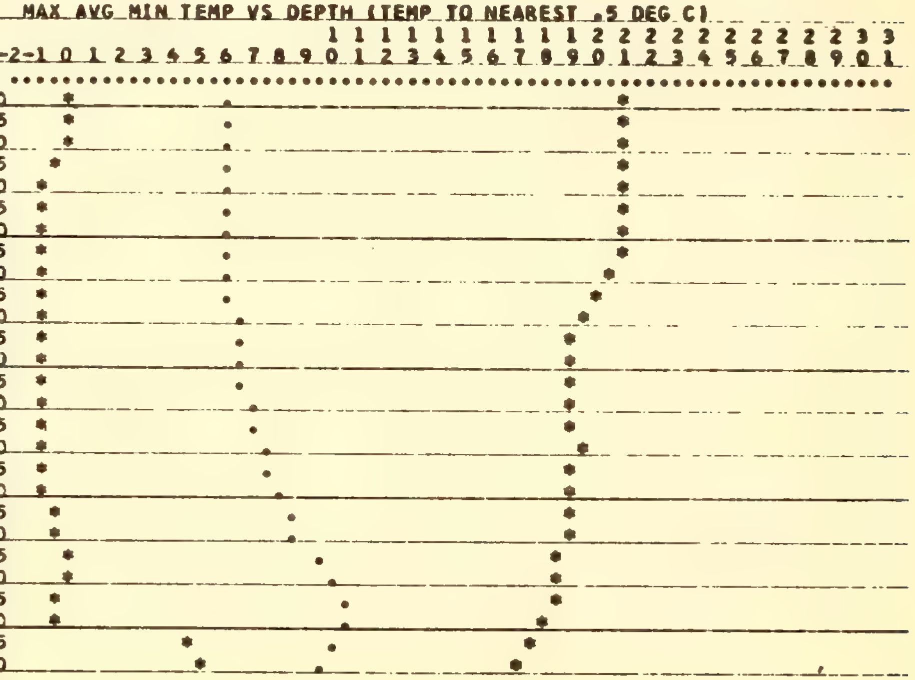


Table VI-1.--Continued

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                    NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2A    MONTH  5
                                                              MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
DEPTH                                             GRADIENT
METERS MAX    AVG    MIN    NUM   SDEV        MAX     AVG    MIN
     0 23.7   7.9    2.1   1786    3.6        0.0     0.0     0.0   0
     5 23.7   7.8    2.0   1786    3.7       84.0     2.1   -52.0   5
    10 23.7   7.7    1.9   1786    3.7       48.0     2.0 -118.0   10
    15 23.6   7.5    1.9   1785    3.7       58.0     2.9   -60.0  15
    20 23.6   7.4    1.8   1782    3.8       54.0     2.9   -46.0  20
    25 23.6   7.2    1.8   1773    3.8       60.0     2.6   -58.0  25
    30 23.6   7.1    1.7   1768    3.7       58.0     2.2   -70.0  30
    35 23.6   7.0    1.6   1745    3.7       76.0     1.6 -120.0   35
    40 23.5   6.9    0.8   1704    3.7      116.0     1.1   -88.0  40
    45 23.5   6.9    0.7   1679    3.7       52.0     0.6   -68.0  45
    50 23.5   6.8    0.8   1619    3.6       62.0     0.3   -60.0  50
    55 23.5   6.8    0.8   1546    3.6       62.0    -0.0   -58.0  55
    60 23.6   6.8    0.4   1505    3.5       84.0     0.2   -66.0  60
    65 23.4   6.8    0.9   1372    3.6       54.0    -0.1   -94.0  65
    70 23.2   6.9    0.9   1246    3.6       90.0    -0.2   -56.0  70
    75 23.0   7.2    0.9   1092    3.8       44.0    -0.8   -64.0  75
    80 22.8   7.5    0.9    931    3.9       44.0    -0.9   -60.0  80
    85 22.6   7.9    1.0    813    4.0       48.0    -1.1   -58.0  85
    90 22.2   8.1    1.0    742    4.0       50.0    -1.1   -28.0  90
    95 22.0   9.1    1.0    561    4.1       36.0    -1.4   -38.0  95
   100 21.8   9.2    0.9    561    4.0       92.0    -1.4   -78.0 100
   125 21.2   9.8    1.2    435    3.6       19.6    -0.7   -20.0 125
   150 20.7   9.7    0.9    307    3.4       13.2    -0.3   -18.0 150
   175 19.3  10.1    1.8    241    2.9       14.0     1.1   -10.0 175
   200 18.5  10.1    2.4    193    2.8        8.4     1.6   -11.6 200
   225 18.2   9.8    5.3    139    2.6       10.0     2.0    -5.2 225
   250 17.8   9.4    4.7     80    2.8       12.0     2.3    -2.8 250
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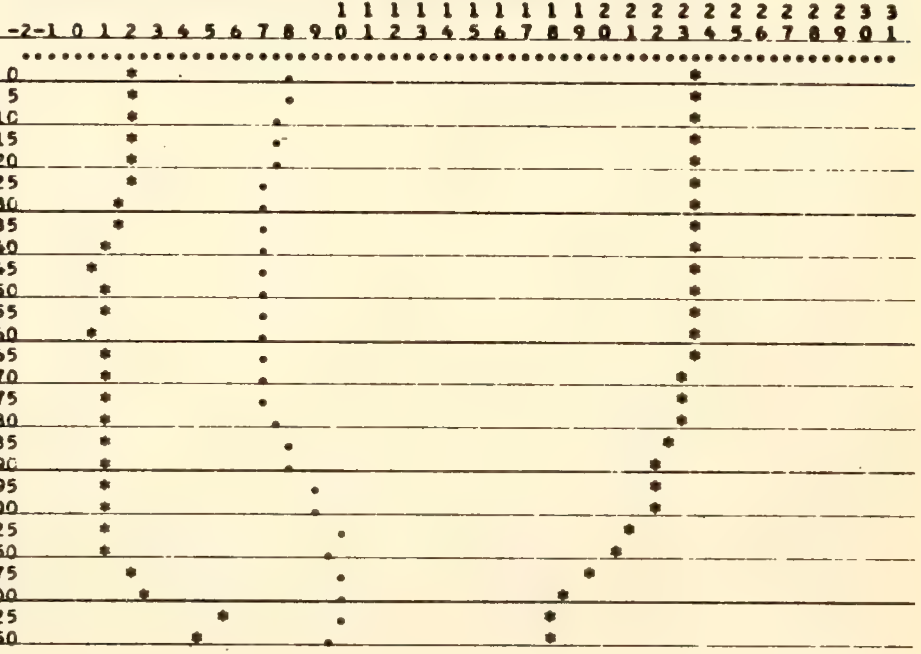

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                    NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2A    MONTH  6
                                                              MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
DEPTH                                             GRADIENT
METERS MAX    AVG    MIN    NUM   SDEV        MAX     AVG    MIN
     0 28.1  13.3    6.2    931    5.2        0.0     0.0     0.0   0
     5 28.1  13.1    5.6    931    5.3       88.0     5.1   -52.0   5
    10 28.1  12.8    5.0    931    5.4      102.0     5.6   -38.0  10
    15 28.1  12.4    3.1    931    5.5       88.0     7.1   -46.0  15
    20 28.0  12.1    2.5    928    5.6      114.0     7.4   -56.0  20
    25 28.0  11.7    1.6    919    5.8       76.0     8.0   -68.0  25
    30 27.6  11.3    1.3    916    5.8       92.0     7.9   -46.0  30
    35 26.7  10.9    1.0    900    5.7       90.0     7.5   -88.0  35
    40 26.1  10.6    0.8    876    5.7       90.0     6.7   -48.0  40
    45 25.4  10.4    0.7    851    5.6      128.0     5.4   -52.0  45
    50 24.9  10.2    0.9    815    5.6       72.0     3.9   -98.0  50
    55 24.4  10.1    1.2    783    5.6       62.0     3.1 -134.0   55
    60 23.8  10.1    1.1    759    5.5       54.0     2.3   -62.0  60
    65 22.9  10.2    0.9    691    5.6       56.0     2.4   -58.0  65
    70 22.6  10.2    1.2    663    5.5       74.0     1.4   -74.0  70
    75 22.2  10.3    1.2    625    5.5       74.0     0.7   -48.0  75
    80 22.2  10.4    1.1    596    5.5       66.0     0.1   -70.0  80
    85 21.9  10.6    1.8    578    5.5       46.0    -0.0   -76.0  85
    90 21.8  10.7    1.9    548    5.4       70.0     0.3   -36.0  90
    95 21.7  11.0    2.3    510    5.4       84.0     0.2   -66.0  95
   100 21.6  11.0    2.2    510    5.2       48.0     0.0   -50.0 100
   125 20.4  11.3    2.8    430    4.8       18.8     0.6   -25.2 125
   150 18.6  11.7    3.2    293    4.5       17.6     0.6   -13.6 150
   175 18.5  12.3    3.8    247    3.7       17.6     1.7    -9.2 175
   200 18.3  11.9    3.9    231    3.7       13.2     2.0    -6.0 200
   225 18.0  11.6    4.5    188    3.6       10.4     2.1    -4.0 225
   250 17.8  10.8    4.5     91    3.8        7.2     2.2    -1.6 250
   275  7.5   7.5    7.5      1    0.0        2.0     2.0     2.0 275
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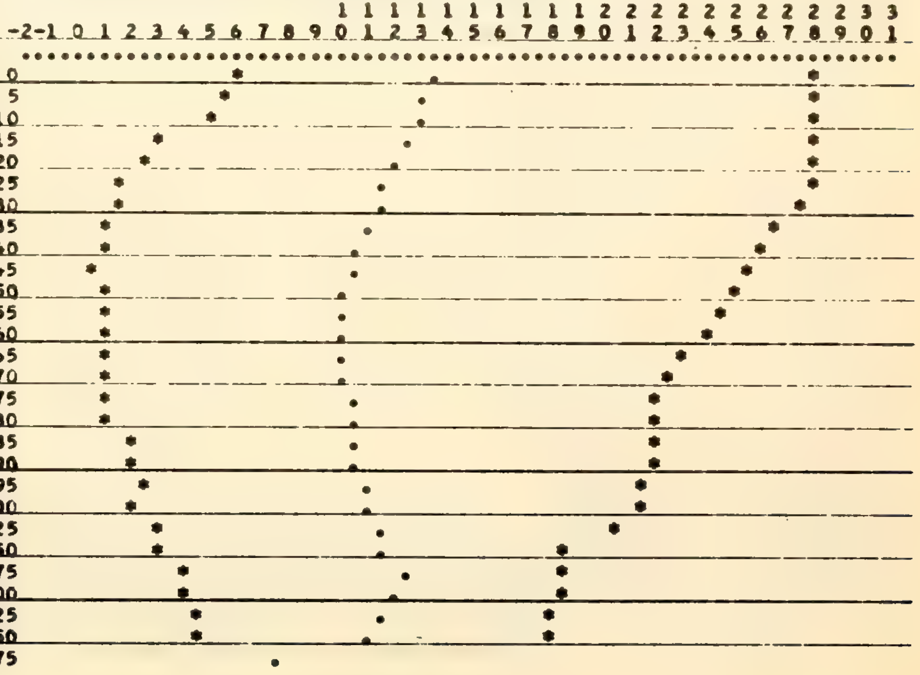
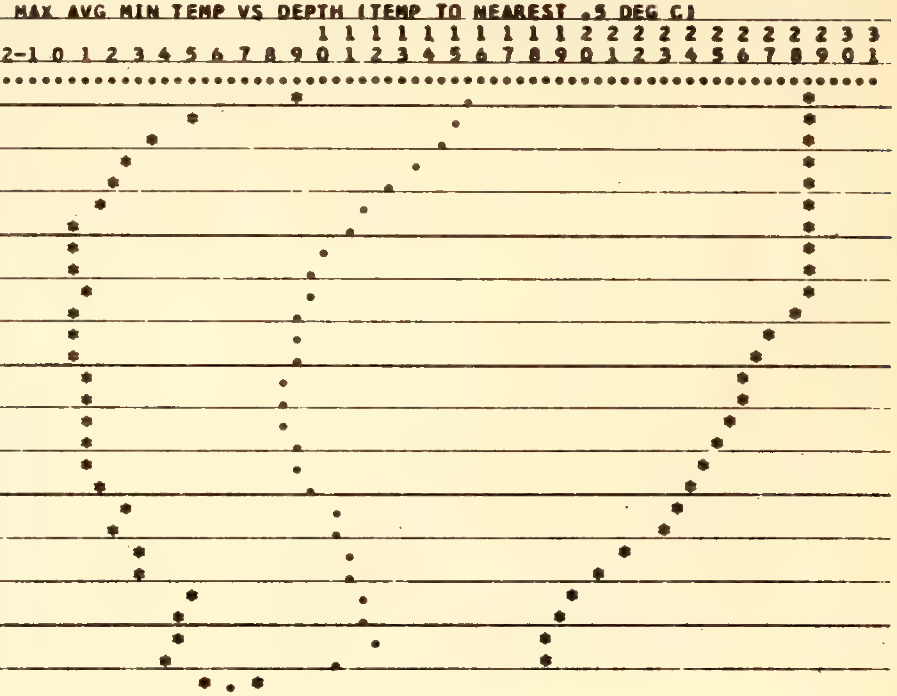


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2A   MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.3	15.6	8.9	1137	4.2	0.0	0.0	0.0	0
5	28.3	15.2	4.9	1137	4.3	152.0	8.1	-28.0	5
10	28.3	14.5	3.4	1137	4.6	116.0	14.6	-22.0	10
15	28.3	13.5	2.6	1137	5.1	156.0	19.9	-30.0	15
20	28.3	12.5	2.2	1134	5.3	146.0	20.7	-40.0	20
25	28.3	11.6	1.4	1132	5.5	96.0	18.0	-62.0	25
30	28.3	10.8	0.7	1127	5.5	116.0	15.4	-96.0	30
35	28.3	10.2	0.5	1111	5.5	112.0	12.3	-52.0	35
40	28.3	9.7	0.6	1093	5.4	82.0	9.0	-50.0	40
45	28.3	9.3	0.9	1078	5.2	98.0	6.5	-54.0	45
50	28.0	9.1	0.6	1053	5.1	114.0	4.3	-56.0	50
55	27.0	8.9	0.4	1017	5.0	74.0	2.9	-74.0	55
60	26.5	8.8	0.6	990	5.0	60.0	2.2	-56.0	60
65	26.2	8.7	0.8	935	4.9	64.0	1.6	-64.0	65
70	25.8	8.7	0.8	890	4.9	114.0	1.1	-58.0	70
75	25.3	8.7	1.0	822	5.0	68.0	0.6	-40.0	75
80	25.0	8.9	1.1	745	5.0	48.0	0.5	-44.0	80
85	24.4	9.1	1.1	679	5.1	44.0	-0.2	-34.0	85
90	23.8	9.5	1.3	614	5.1	44.0	-0.8	-50.0	90
95	23.3	10.3	2.3	508	5.1	44.0	-0.9	-68.0	95
100	23.0	10.3	2.0	508	5.0	38.0	-0.7	-78.0	100
125	21.3	10.9	2.8	402	4.6	15.6	-0.0	-14.0	125
150	20.3	11.2	3.2	252	4.6	17.6	0.6	-14.8	150
175	19.6	11.6	5.0	221	4.2	10.4	1.2	-10.4	175
200	18.9	11.6	4.7	193	4.1	8.4	1.6	-7.2	200
225	18.7	11.8	4.3	157	4.1	7.6	1.9	-3.6	225
250	18.3	10.5	4.1	80	3.9	9.2	2.4	-1.2	250
275	7.5	6.5	5.5	4	0.9	2.8	1.6	0.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2A   MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.9	19.2	9.4	705	4.4	0.0	0.0	0.0	0
5	28.9	19.0	8.8	705	4.6	70.0	4.2	-122.0	5
10	28.9	18.6	8.1	705	4.8	122.0	7.2	-54.0	10
15	28.9	18.0	6.6	704	5.2	122.0	11.7	-46.0	15
20	28.9	17.2	4.0	695	5.6	212.0	17.5	-80.0	20
25	28.9	16.2	3.1	688	6.0	144.0	20.8	-32.0	25
30	28.8	15.3	3.2	684	6.2	154.0	18.3	-28.0	30
35	28.3	14.4	2.7	674	6.3	134.0	17.7	-66.0	35
40	28.1	13.6	1.5	662	6.3	114.0	15.6	-48.0	40
45	28.1	12.9	1.2	651	6.1	212.0	13.5	-50.0	45
50	28.1	12.4	1.3	639	6.0	102.0	9.5	-94.0	50
55	27.4	12.1	2.0	618	5.8	102.0	7.2	-48.0	55
60	26.2	11.8	2.7	610	5.6	60.0	5.3	-62.0	60
65	25.6	11.7	2.8	564	5.6	82.0	4.5	-68.0	65
70	25.3	11.6	3.0	537	5.5	58.0	3.5	-68.0	70
75	25.1	11.6	3.1	518	5.4	84.0	2.6	-40.0	75
80	24.7	11.6	2.8	498	5.3	58.0	2.2	-40.0	80
85	24.4	11.6	2.3	485	5.1	48.0	1.4	-56.0	85
90	24.2	11.6	2.1	475	5.0	108.0	0.9	-98.0	90
95	24.0	11.9	2.0	441	4.8	56.0	0.4	-102.0	95
100	23.4	11.9	2.0	441	4.7	36.0	0.2	-40.0	100
125	21.1	12.1	1.9	355	4.1	17.6	1.0	-12.8	125
150	20.1	12.0	3.7	236	3.8	13.2	1.2	-10.8	150
175	19.2	12.2	4.1	208	3.3	13.2	1.9	-7.2	175
200	18.5	11.8	4.3	186	3.3	12.4	2.2	-3.6	200
225	18.1	11.6	5.1	162	3.3	7.2	2.0	-3.6	225
250	17.8	11.0	5.3	108	3.3	8.8	2.1	-2.8	250
275	8.8	8.8	8.8	1	0.0	2.8	2.8	2.8	275

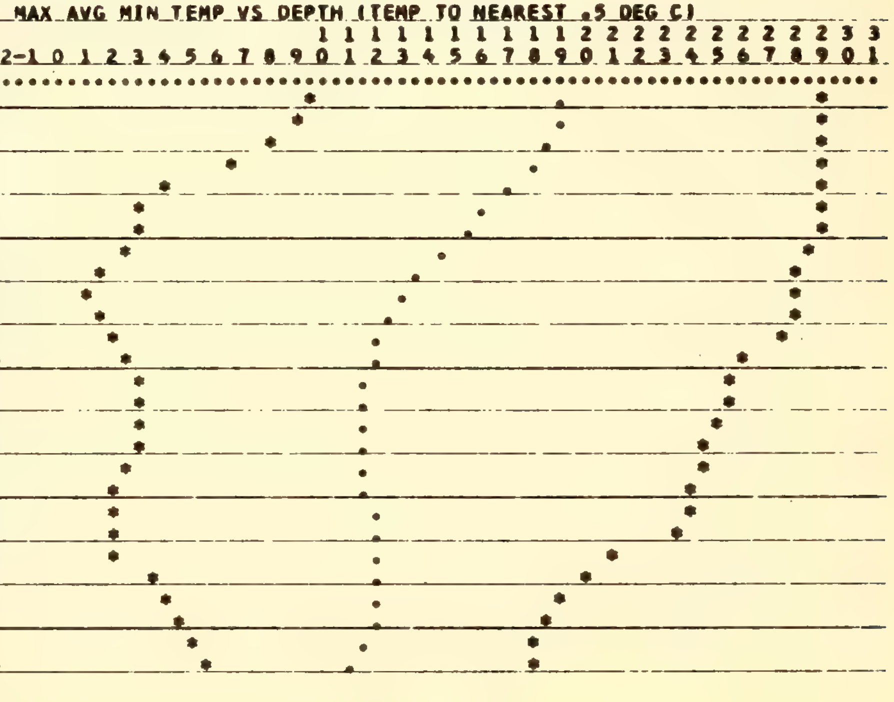
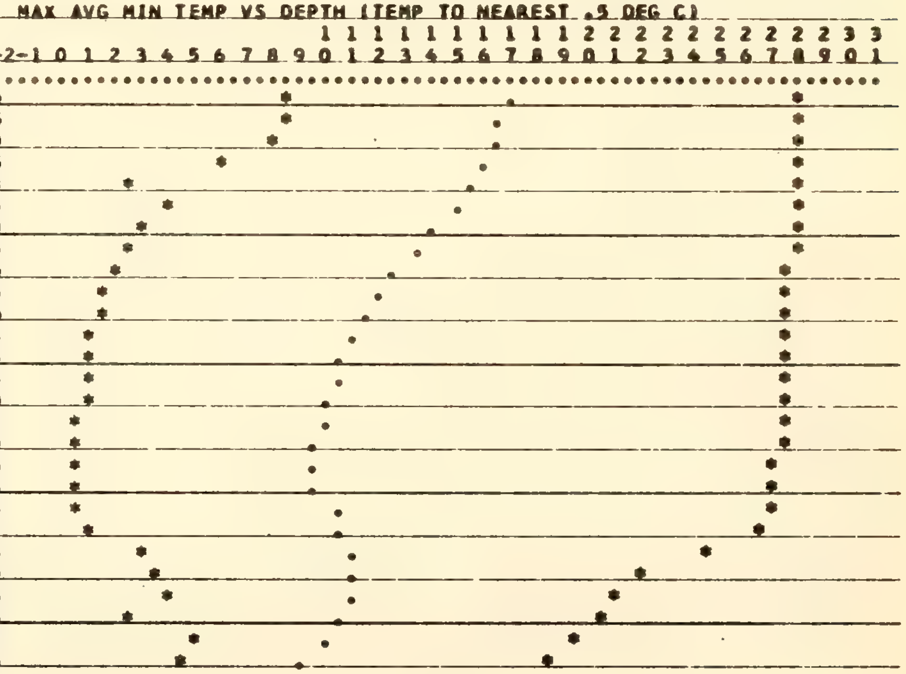


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2A MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.9	16.9	8.3	1461	3.4	0.0	0.0	0.0	0
5	27.9	16.7	8.3	1461	3.5	62.0	2.9	-58.0	5
10	27.9	16.4	7.9	1461	3.7	88.0	5.7	-78.0	10
15	28.1	16.0	6.2	1460	4.0	88.0	8.6	-78.0	15
20	28.0	15.4	2.6	1457	4.3	118.0	11.4	-46.0	20
25	27.8	14.8	4.1	1451	4.6	178.0	13.5	-52.0	25
30	27.8	14.0	3.2	1448	4.7	120.0	14.5	-58.0	30
35	27.8	13.3	2.6	1438	4.8	198.0	13.9	-58.0	35
40	27.7	12.6	2.2	1408	4.8	138.0	12.5	-66.0	40
45	27.7	12.0	1.7	1397	4.7	120.0	10.8	-28.0	45
50	27.7	11.5	1.4	1375	4.5	166.0	9.4	-74.0	50
55	27.7	11.1	1.0	1338	4.3	140.0	7.5	-80.0	55
60	27.7	10.7	0.8	1305	4.2	172.0	5.5	-54.0	60
65	27.7	10.4	0.9	1228	4.2	114.0	4.5	-70.0	65
70	27.7	10.1	0.8	1162	4.1	62.0	3.2	-48.0	70
75	27.6	9.9	0.6	1034	4.2	40.0	1.9	-44.0	75
80	27.4	9.6	0.5	910	4.2	78.0	1.5	-46.0	80
85	27.1	9.6	0.6	812	4.3	36.0	0.8	-68.0	85
90	26.9	9.6	0.5	663	4.3	64.0	0.4	-60.0	90
95	26.8	10.6	0.4	424	4.8	28.0	0.1	-30.0	95
100	26.6	10.6	0.8	423	4.7	30.0	-0.3	-40.0	100
125	24.3	10.9	3.2	318	4.0	18.4	0.0	-21.2	125
150	22.2	10.9	3.7	227	3.6	14.0	0.7	-17.2	150
175	20.9	10.8	3.9	194	3.2	10.4	1.6	-11.2	175
200	20.3	10.3	2.7	174	3.1	12.8	2.1	-5.6	200
225	19.7	10.0	4.8	146	3.2	9.6	2.3	-5.6	225
250	18.6	8.9	4.4	104	2.6	5.6	2.1	-2.4	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2A MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	2SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.4	15.0	7.6	940	8.2	0.0	0.0	0.0	0
5	26.6	15.0	7.2	940	8.2	44.0	0.5	-30.0	5
10	26.6	15.0	7.0	940	8.2	54.0	0.2	-70.0	10
15	26.6	14.9	6.9	938	8.2	48.0	0.9	-64.0	15
20	26.6	14.9	6.7	938	8.4	60.0	1.6	-92.0	20
25	26.6	14.7	6.2	935	8.6	144.0	3.0	-56.0	25
30	26.6	14.5	5.7	935	8.8	92.0	4.6	-80.0	30
35	26.3	14.1	4.4	926	9.0	118.0	6.6	-60.0	35
40	26.1	13.7	4.0	909	9.4	138.0	8.3	-80.0	40
45	26.1	13.3	3.9	890	9.6	94.0	9.8	-46.0	45
50	26.0	12.7	2.6	860	9.8	128.0	10.1	-32.0	50
55	26.0	12.2	0.7	822	9.8	130.0	9.9	-38.0	55
60	26.0	11.7	0.2	799	9.6	128.0	9.2	-50.0	60
65	26.0	11.1	-0.1	706	9.6	122.0	7.9	-62.0	65
70	26.0	10.9	-0.4	676	9.8	104.0	5.3	-54.0	70
75	26.0	10.7	-0.4	630	9.8	68.0	3.6	-148.0	75
80	26.7	10.6	-0.3	581	9.8	54.0	3.0	-90.0	80
85	26.7	10.6	-0.4	547	9.8	38.0	2.3	-44.0	85
90	26.6	10.6	-0.5	511	9.8	64.0	1.7	-118.0	90
95	26.3	10.7	-0.4	440	9.8	56.0	1.6	-44.0	95
100	25.6	10.7	-0.3	440	9.4	48.0	0.8	-102.0	100
125	24.3	10.9	0.2	318	8.6	18.4	0.7	-19.6	125
150	21.0	10.6	1.7	183	8.6	12.4	1.3	-8.0	150
175	20.1	11.4	2.7	134	7.4	8.4	1.8	-7.2	175
200	19.3	11.2	3.1	114	6.8	8.4	2.1	-5.2	200
225	19.0	11.1	4.9	96	6.4	5.6	2.3	-2.0	225
250	18.8	10.9	6.5	79	6.2	5.2	2.1	-2.4	250

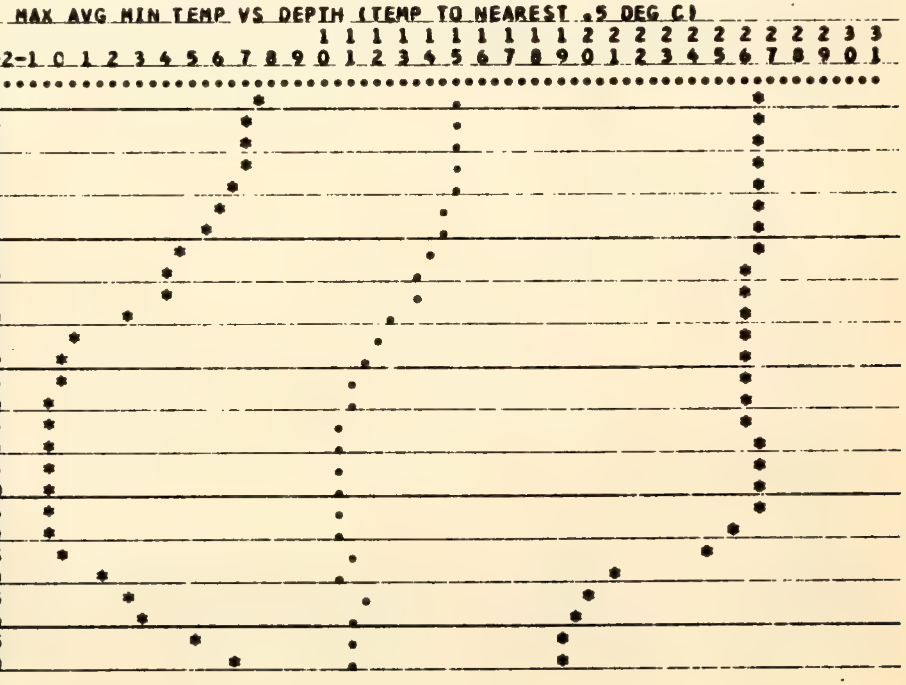


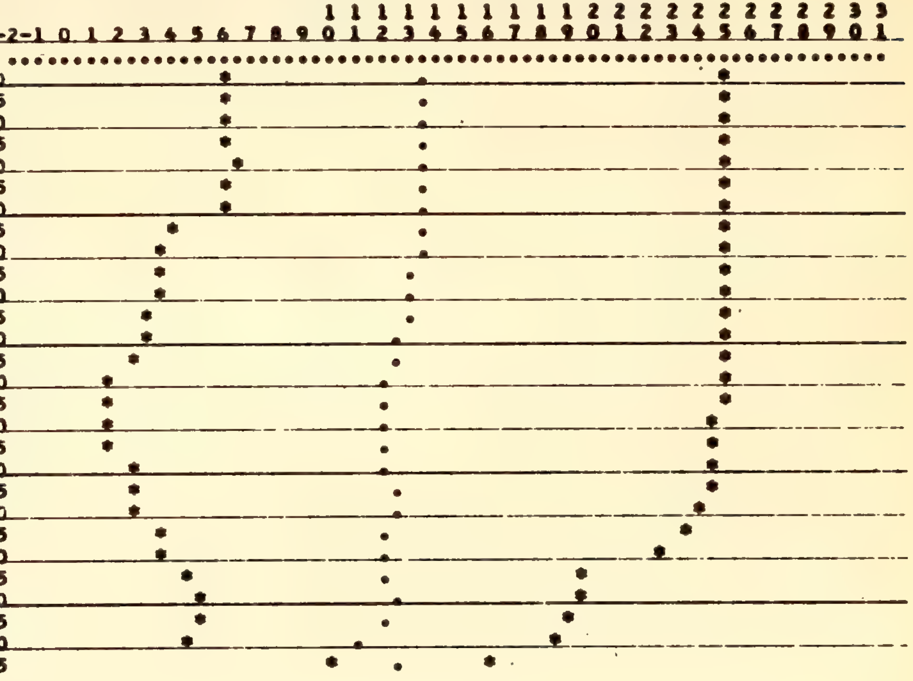
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2A MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	
0	25.0	13.4	6.0	882	4.2	0.0	0.0	0.0	0
5	25.0	13.4	6.0	882	4.2	10.0	-0.2	-74.0	5
10	25.0	13.5	6.1	882	4.2	18.0	-0.3	-5C.0	10
15	25.1	13.5	6.1	882	4.3	40.0	-0.5	-112.0	15
20	25.0	13.5	6.3	879	4.3	180.0	-0.1	-70.0	20
25	25.0	13.5	6.2	878	4.3	48.0	-0.1	-58.0	25
30	25.0	13.5	5.9	875	4.4	82.0	0.5	-60.0	30
35	25.0	13.4	3.9	871	4.5	70.0	1.8	-70.0	35
40	25.0	13.3	3.5	862	4.6	80.0	2.6	-96.0	40
45	25.0	13.1	3.3	843	4.8	76.0	3.4	-96.0	45
50	25.0	12.9	3.3	813	5.0	110.0	4.2	-42.0	50
55	25.0	12.8	3.0	779	5.2	76.0	4.1	-90.0	55
60	25.0	12.6	2.9	752	5.4	142.0	5.2	-54.0	60
65	25.0	12.3	2.7	701	5.6	106.0	4.5	-68.0	65
70	25.0	12.1	1.6	682	5.7	146.0	4.2	-70.0	70
75	25.0	12.0	1.3	653	5.8	122.0	3.4	-214.0	75
80	24.6	12.0	1.4	619	5.9	180.0	2.9	-42.0	80
85	24.6	12.0	1.4	597	5.9	54.0	2.0	-54.0	85
90	24.6	12.0	2.6	571	5.9	52.0	1.5	-62.0	90
95	24.3	12.3	2.7	507	5.9	46.0	1.5	-40.0	95
100	24.0	12.3	2.5	507	5.7	82.0	1.3	-80.0	100
125	23.4	12.1	3.3	412	5.0	38.0	2.8	-15.2	125
150	22.3	11.9	3.4	301	4.5	35.2	2.4	-12.4	150
175	19.7	12.2	4.6	249	3.9	20.0	2.0	-18.4	175
200	19.3	12.4	5.1	213	3.5	16.4	2.0	-13.6	200
225	19.0	12.1	4.9	170	3.5	11.2	2.5	-4.0	225
250	18.4	11.2	4.6	105	3.5	11.6	2.5	-2.4	250
275	15.8	12.3	9.9	7	2.1	4.4	3.0	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 2A MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	
0	24.3	10.1	3.8	416	4.1	C.0	0.0	0.0	0
5	24.3	10.1	3.8	416	4.1	4.0	-0.5	-74.0	5
10	24.3	10.2	3.8	416	4.1	8.0	-0.3	-54.0	10
15	24.3	10.2	3.8	416	4.1	8.0	-0.3	-30.0	15
20	24.3	10.2	3.8	416	4.1	34.0	-0.8	-106.0	20
25	24.3	10.3	3.8	415	4.1	78.0	-0.9	-52.0	25
30	24.3	10.3	3.8	414	4.1	10.0	-1.1	-70.0	30
35	24.3	10.4	3.8	410	4.1	36.0	-1.3	-72.0	35
40	24.3	10.5	4.6	402	4.2	46.0	-0.9	-64.0	40
45	24.3	10.6	4.5	392	4.2	78.0	-0.3	-70.0	45
50	24.3	10.7	2.4	379	4.3	56.0	0.0	-102.0	50
55	24.2	10.8	2.0	358	4.4	42.0	-0.1	-46.0	55
60	24.2	10.9	1.5	345	4.5	58.0	-0.3	-74.0	60
65	23.9	11.0	1.3	315	4.6	76.0	0.1	-30.0	65
70	23.3	11.1	1.1	301	4.7	88.0	0.3	-58.0	70
75	23.4	11.1	0.8	288	4.8	52.0	1.3	-40.0	75
80	23.2	11.2	0.8	273	4.9	44.0	1.2	-34.0	80
85	23.1	11.2	0.9	265	4.9	46.C	2.6	-92.0	85
90	22.7	11.2	1.0	246	5.0	60.C	2.7	-76.0	90
95	22.6	11.6	1.3	217	5.1	48.0	2.0	-28.0	95
100	22.2	11.5	1.3	217	4.9	80.0	2.3	-52.0	100
125	21.2	11.3	1.9	196	4.6	11.2	1.4	-20.4	125
150	19.4	11.4	3.1	166	4.1	13.2	1.5	-12.4	150
175	18.4	11.1	3.7	147	3.6	11.6	1.8	-8.0	175
200	17.6	10.9	4.1	135	3.2	7.6	2.3	-10.8	200
225	16.1	9.9	4.0	106	2.9	14.C	2.4	-4.4	225
250	12.5	8.7	3.6	74	2.2	6.8	2.2	-5.2	250
275	11.1	11.1	11.1	1	0.0	2.0	2.0	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

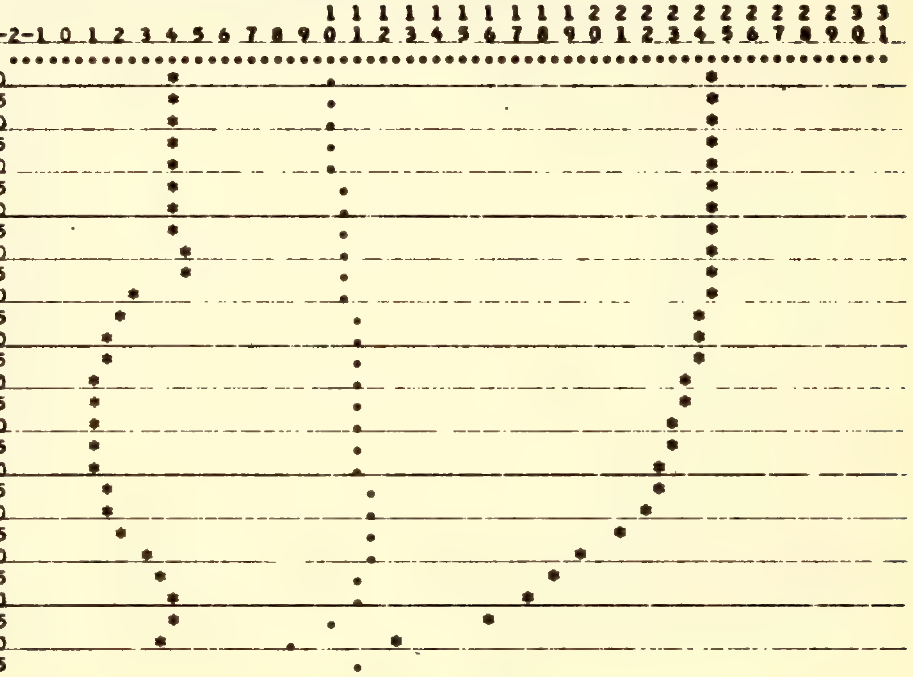


Table VI-1.—Continued

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                         NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 3     MONTH  1

DEPTH                                          GRADIENT
METERS MAX   AVG    MIN    NUM   SDEV       MAX    AVG    MIN
     0 23.2  18.3    8.4   239    2.9       0.0    0.0    0.0    0
     5 23.2  18.3    8.6   239    2.9      10.0    0.1   -8.0    5
    10 23.2  18.3    8.8   239    2.9      14.0    0.2  -14.0   10
    15 23.2  18.3    9.0   239    2.9      12.0    0.4  -12.0   15
    20 23.2  18.3    9.0   239    2.9      46.0    0.8   -6.0   20
    25 23.2  18.2    9.1   239    2.9      40.0    0.8   -6.0   25
    30 23.2  18.2    9.2   239    2.9      34.0    0.8   -6.0   30
    35 23.2  18.1    9.2   239    2.9      28.0    1.1   -4.0   35
    40 23.2  18.1    9.6   239    2.9      62.0    1.1   -8.0   40
    45 23.2  18.1   10.7   239    2.8      30.0    0.6  -22.0   45
    50 23.1  18.0   10.9   238    2.9     100.0    1.1  -14.0   50
    55 23.1  17.9    5.3   237    2.9     150.0    1.7  -16.0   55
    60 23.1  17.9   11.0   237    2.8      28.0    0.0 -172.0   60
    65 23.0  17.9   11.0   236    2.8      12.0    0.5  -78.0   65
    70 23.0  17.8   11.0   236    2.8      16.0    0.6  -22.0   70
    75 22.8  17.8   11.4   235    2.8      30.0    1.3  -38.0   75
    80 22.8  17.7   11.7   233    2.7      34.0    1.2  -12.0   80
    85 22.8  17.7   11.9   233    2.7      14.0    1.1  -24.0   85
    90 22.8  17.6   12.1   232    2.7      34.0    1.2  -18.0   90
    95 22.7  17.5   12.1   228    2.6      36.0    1.5  -30.0   95
   100 22.4  17.4   12.1   228    2.6      48.0    1.3  -38.0  100
   125 21.8  17.0   12.4   214    2.4      12.0    1.2  -12.0  125
   150 21.3  16.6   11.7   189    2.2      23.6    1.3  -12.4  150
   175 20.2  16.2   11.3   187    2.2      22.0    1.5  -19.2  175
   200 19.7  15.7   10.7   183    2.3      11.6    2.0  -10.8  200
   225 19.4  15.3    9.7   146    2.4      10.4    2.4  -11.6  225
   250 18.9  14.3    8.9    48    3.2       8.0    2.9    0.0  250
   275 17.2  13.4   11.3     5    2.2       3.2    2.5    1.6  275
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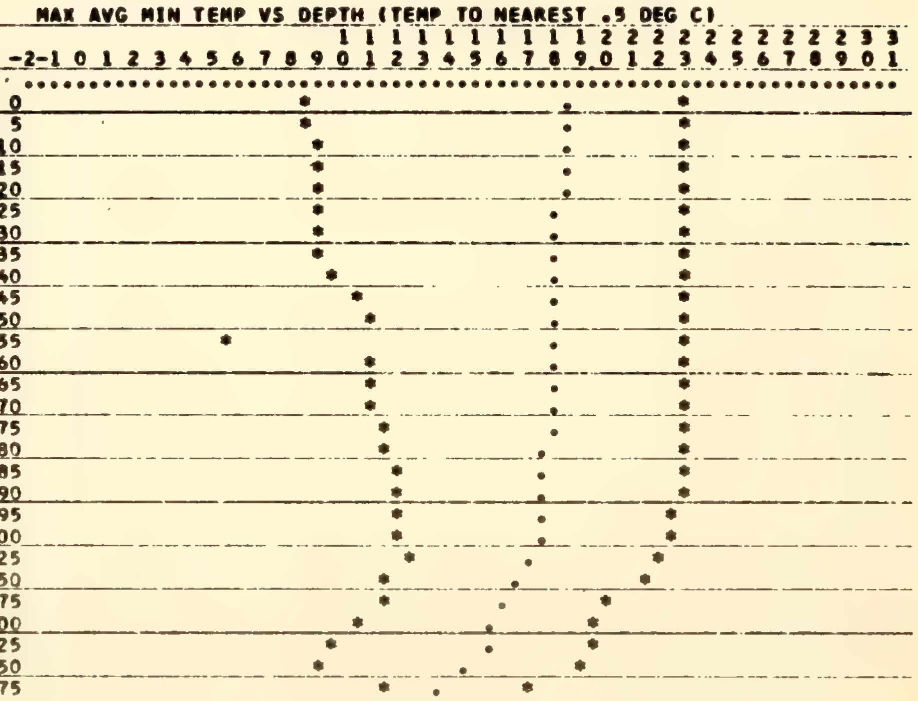

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                         NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 3     MONTH  2

DEPTH                                          GRADIENT
METERS MAX   AVG    MIN    NUM   SDEV       MAX    AVG    MIN
     0 22.8  19.1    7.2   143    2.7       0.0    0.0    0.0    0
     5 22.8  19.1    7.2   143    2.7       2.0   -0.5  -36.0    5
    10 22.8  19.2    7.3   143    2.7       2.0   -0.2   -8.0   10
    15 22.8  19.2    7.4   143    2.7       4.0   -0.0   -2.0   15
    20 22.8  19.2    7.6   142    2.6       6.0    0.1   -4.0   20
    25 22.8  19.2    7.6   141    2.7      12.0    0.2   -2.0   25
    30 22.8  19.2    7.7   141    2.6       4.0    0.1  -12.0   30
    35 22.8  19.1    7.8   141    2.6       6.0    0.4   -6.0   35
    40 22.8  19.1    8.3   141    2.6      12.0    0.5  -10.0   40
    45 22.8  19.1    8.9   139    2.6       8.0    0.4  -16.0   45
    50 22.8  19.1    9.5   139    2.6      14.0    0.6  -16.0   50
    55 22.8  19.1   10.2   136    2.6      20.0    0.9  -14.0   55
    60 22.8  19.0   10.3   136    2.6      20.0    1.0   -8.0   60
    65 22.8  19.0   10.5   132    2.6      14.0    1.0  -10.0   65
    70 22.8  18.9   10.6   132    2.6      38.0    1.0  -30.0   70
    75 22.8  18.9   10.7   132    2.6      20.0    1.1  -18.0   75
    80 22.8  18.8   10.8   132    2.6      36.0    1.6   -8.0   80
    85 22.8  18.7   10.8   129    2.7      48.0    2.2   -4.0   85
    90 22.7  18.6    9.2   129    2.8      36.0    2.9   -6.0   90
    95 22.7  18.5    8.7   125    2.8      24.0    3.0  -10.0   95
   100 22.7  18.3   10.3   125    2.8      26.0    2.5  -32.0  100
   125 22.4  17.5   10.0   120    2.9      21.2    3.1  -21.6  125
   150 27.1  16.8    8.3   100    3.4      20.0    3.3  -52.0  150
   175 21.8  16.0    8.8    98    3.2      44.0    3.1  -14.0  175
   200 21.6  15.3    9.6    94    3.2      17.6    2.4  -10.8  200
   225 20.0  15.0   10.3    41    2.8      14.8    1.0  -10.8  225
   250 18.9  14.4    9.6     8    3.4       3.2    0.9   -1.6  250
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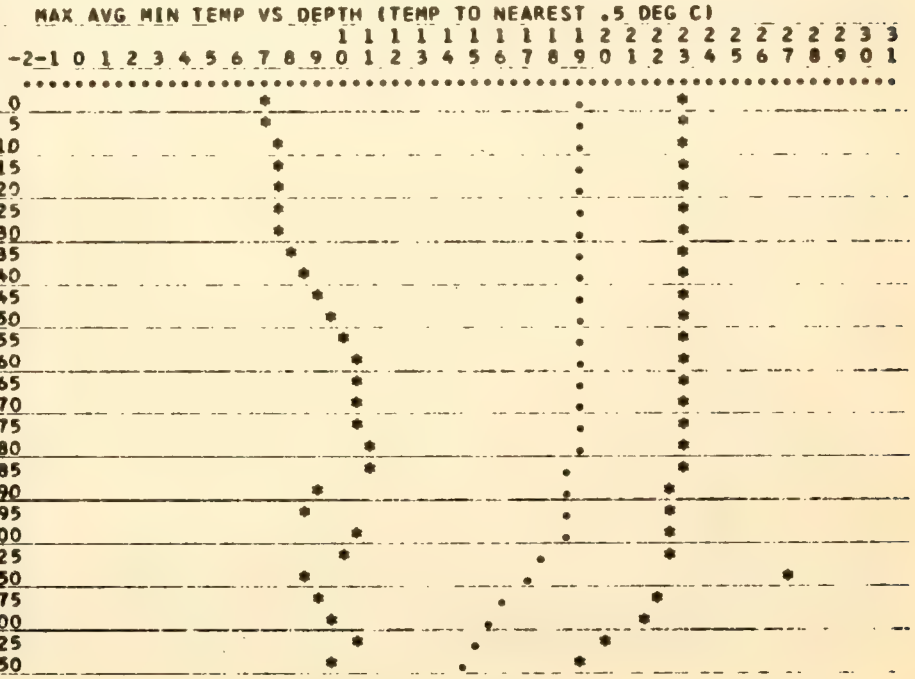
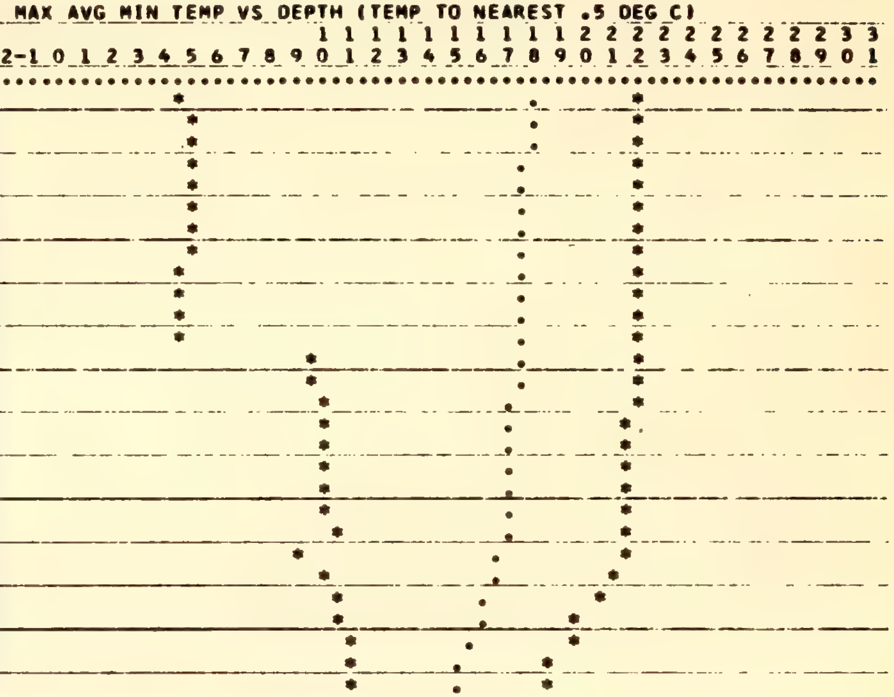


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	22.0	17.8	4.7	158	2.9	0.0	0.0	0.0	0
5	22.1	17.8	4.8	158	2.9	12.0	-0.1	-12.0	5
10	22.2	17.8	4.8	158	2.9	42.0	0.6	-16.0	10
15	22.2	17.7	4.9	158	2.9	70.0	1.4	-16.0	15
20	22.2	17.7	4.9	158	3.0	46.0	1.2	-10.0	20
25	22.2	17.6	4.9	158	2.9	36.0	0.9	-22.0	25
30	22.2	17.6	4.9	158	2.9	28.0	0.8	-42.0	30
35	22.2	17.5	4.8	156	2.9	26.0	1.1	-32.0	35
40	22.2	17.4	4.7	158	2.9	38.0	1.5	-24.0	40
45	22.2	17.4	4.7	158	2.9	20.0	0.9	-24.0	45
50	22.2	17.3	4.7	158	3.0	38.0	1.1	-18.0	50
55	22.2	17.3	4.6	158	2.9	26.0	0.5	-50.0	55
60	21.9	17.4	9.6	157	2.8	20.0	0.6	-34.0	60
65	21.8	17.3	9.7	156	2.8	20.0	0.9	-20.0	65
70	21.8	17.2	9.8	156	2.8	34.0	1.4	-6.0	70
75	21.7	17.2	10.0	156	2.8	22.0	1.0	-10.0	75
80	21.7	17.1	10.0	156	2.8	20.0	0.9	-16.0	80
85	21.7	17.1	9.9	155	2.8	22.0	0.9	-10.0	85
90	21.7	17.1	9.9	153	2.8	22.0	1.1	-6.0	90
95	21.7	17.0	9.9	152	2.9	28.0	1.0	-6.0	95
100	21.7	17.0	10.4	152	2.9	12.0	1.0	-12.0	100
125	21.3	16.6	9.2	147	2.7	12.4	1.3	-10.8	125
150	20.9	16.3	10.0	118	2.8	15.6	0.7	-17.6	150
175	20.3	16.2	10.5	116	2.6	10.8	0.5	-21.6	175
200	19.7	16.0	10.7	114	2.6	11.2	0.8	-4.0	200
225	19.3	15.7	10.9	100	2.7	12.0	1.1	-17.2	225
250	18.6	15.1	10.9	40	2.9	3.6	0.1	-12.8	250
275	18.5	14.8	11.2	2	5.1	2.0	1.2	0.4	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	23.8	18.0	2.1	181	3.8	C.0	0.0	0.0	0
5	23.8	18.0	2.1	181	3.8	8.0	-0.1	-8.0	5
10	23.8	18.0	1.2	181	3.9	30.0	0.4	-10.0	10
15	23.8	17.9	0.2	181	3.9	20.0	0.3	-22.0	15
20	23.8	17.9	-0.2	180	3.9	40.0	0.6	-34.0	20
25	23.8	17.8	-0.2	180	3.9	40.0	1.2	-16.0	25
30	23.8	17.7	0.1	180	3.9	54.0	1.9	-12.0	30
35	23.8	17.6	0.5	180	3.8	42.0	2.4	-16.0	35
40	23.8	17.5	0.2	180	3.9	48.0	2.6	-24.0	40
45	23.8	17.3	0.1	180	3.9	38.0	3.0	-8.0	45
50	23.8	17.2	0.2	180	3.9	28.0	2.4	-22.0	50
55	23.8	17.1	0.5	179	3.8	32.0	2.4	-38.0	55
60	23.8	17.0	1.1	179	3.8	54.0	2.3	-30.0	60
65	23.3	16.9	1.7	172	3.8	32.0	2.4	-26.0	65
70	22.3	16.8	1.7	171	3.8	32.0	2.0	-22.0	70
75	22.2	16.7	1.7	171	3.7	28.0	1.0	-158.0	75
80	22.2	16.6	2.2	171	3.6	112.0	2.0	-14.0	80
85	22.1	16.6	3.2	168	3.5	24.0	2.1	-20.0	85
90	21.9	16.5	4.1	166	3.5	20.0	1.9	-18.0	90
95	21.6	16.4	4.5	164	3.4	30.0	1.8	-22.0	95
100	21.2	16.3	4.7	164	3.4	22.0	2.1	-10.0	100
125	20.9	15.9	6.3	161	3.2	15.2	1.5	-14.4	125
150	20.2	15.5	7.8	147	3.2	8.4	1.2	-6.0	150
175	19.8	15.1	7.7	138	3.2	17.6	1.6	-2.8	175
200	19.2	14.5	4.8	128	3.3	12.0	1.6	-4.0	200
225	18.9	14.1	3.0	97	3.6	18.8	1.8	-12.0	225
250	18.9	14.0	8.2	45	3.6	6.0	1.4	-4.8	250
275	9.1	9.0	8.9	2	0.1	4.4	3.6	2.8	275

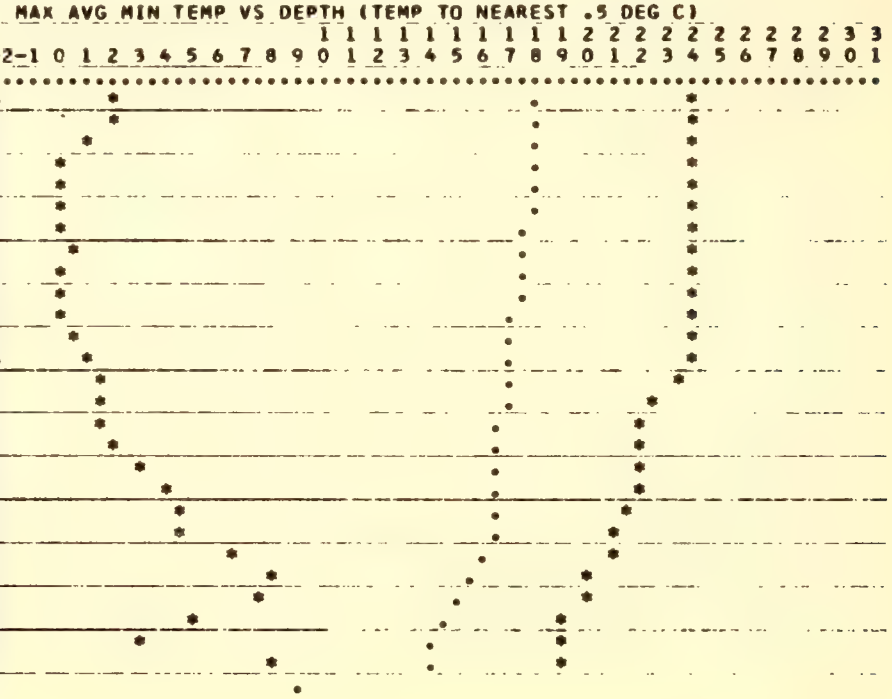


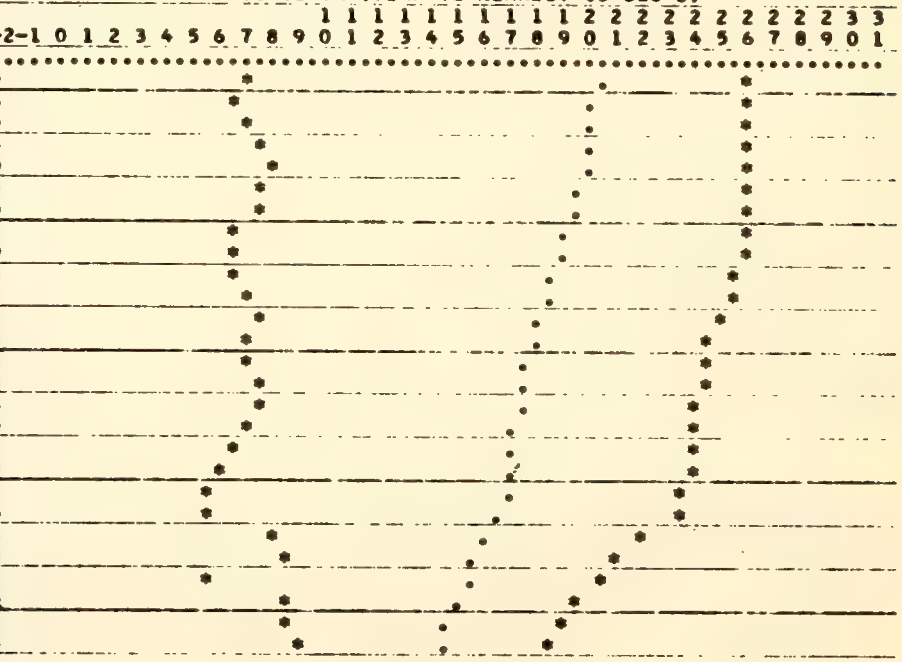
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.9	20.3	6.9	329	3.4	0.0	0.0	0.0	0
5	26.0	20.2	6.7	329	3.5	22.0	1.3	-4.0	5
10	26.0	20.1	7.2	329	3.5	58.0	2.2	-10.0	10
15	26.0	20.0	7.5	329	3.6	68.0	2.7	-14.0	15
20	26.0	19.8	7.8	329	3.7	60.0	3.4	-26.0	20
25	26.0	19.6	7.7	328	3.8	60.0	3.6	-26.0	25
30	26.0	19.4	7.4	327	3.9	92.0	4.7	-14.0	30
35	25.9	19.1	6.7	327	4.0	90.0	5.2	-18.0	35
40	25.8	18.8	6.6	326	4.0	80.0	5.5	-36.0	40
45	25.6	18.6	6.5	325	4.1	64.0	5.6	-26.0	45
50	25.6	18.3	7.2	323	4.2	80.0	5.0	-14.0	50
55	25.1	18.1	7.3	321	4.3	54.0	4.6	-24.0	55
60	24.7	17.9	7.1	319	4.3	86.0	4.7	-48.0	60
65	24.6	17.7	6.8	313	4.3	66.0	4.0	-26.0	65
70	24.4	17.5	7.3	312	4.2	38.0	3.2	-60.0	70
75	24.0	17.4	7.5	310	4.2	54.0	3.9	-40.0	75
80	24.0	17.2	7.1	310	4.2	62.0	3.6	-12.0	80
85	24.0	17.0	6.5	310	4.1	86.0	3.7	-20.0	85
90	23.9	16.9	5.9	307	4.1	30.0	2.6	-36.0	90
95	23.7	16.8	5.5	299	4.0	46.0	2.7	-28.0	95
100	23.4	16.7	5.3	299	4.0	54.0	3.0	-20.0	100
125	21.9	16.1	8.1	284	3.7	31.6	2.5	-15.6	125
150	21.2	15.7	8.3	245	3.5	19.2	1.7	-13.6	150
175	20.6	15.3	5.3	239	3.5	38.8	1.6	-14.4	175
200	19.5	15.0	8.7	233	3.5	16.0	1.6	-38.0	200
225	18.8	14.7	8.5	190	3.5	14.0	1.5	-4.8	225
250	18.3	14.3	8.9	76	3.6	15.6	1.5	-2.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.8	22.7	15.3	306	2.2	0.0	0.0	0.0	0
5	26.8	22.7	14.9	306	2.2	12.0	0.6	-18.0	5
10	26.8	22.7	11.4	306	2.3	70.0	0.7	-18.0	10
15	26.8	22.6	11.9	306	2.4	42.0	1.5	-16.0	15
20	26.8	22.4	10.3	306	2.6	92.0	2.7	-22.0	20
25	26.8	22.3	8.8	306	2.8	66.0	3.9	-22.0	25
30	26.8	22.0	8.1	306	3.1	58.0	4.3	-32.0	30
35	26.7	21.8	6.3	306	3.3	72.0	5.3	-40.0	35
40	26.6	21.5	5.2	306	3.6	80.0	6.2	-52.0	40
45	26.6	21.1	4.7	305	3.8	94.0	6.9	-28.0	45
50	26.4	20.7	4.9	305	3.9	50.0	7.6	-44.0	50
55	26.1	20.4	5.5	304	3.8	54.0	7.2	-26.0	55
60	25.9	19.9	6.3	304	3.8	88.0	8.5	-26.0	60
65	25.6	19.5	6.9	304	3.8	70.0	7.8	-36.0	65
70	25.1	19.2	6.8	304	3.8	94.0	6.7	-28.0	70
75	24.5	18.9	6.4	303	3.9	84.0	5.8	-50.0	75
80	24.4	18.7	6.0	303	3.8	90.0	5.1	-54.0	80
85	24.2	18.4	5.5	303	3.7	76.0	4.9	-40.0	85
90	23.6	18.2	6.2	303	3.7	52.0	4.1	-40.0	90
95	23.3	18.0	6.1	301	3.6	40.0	3.9	-48.0	95
100	23.2	17.8	6.1	301	3.5	156.0	4.2	-28.0	100
125	21.8	17.0	6.2	295	3.2	20.8	3.4	-8.8	125
150	21.0	16.3	7.7	258	2.9	26.8	3.0	-15.2	150
175	20.3	15.7	8.3	256	2.9	23.6	2.3	-16.8	175
200	19.8	15.2	7.8	250	2.9	22.0	2.0	-11.6	200
225	19.5	14.8	8.3	217	3.0	14.0	1.7	-8.4	225
250	18.8	14.4	7.9	99	3.1	11.2	1.2	-6.4	250
275	18.2	12.8	8.2	14	3.7	8.0	2.3	-0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

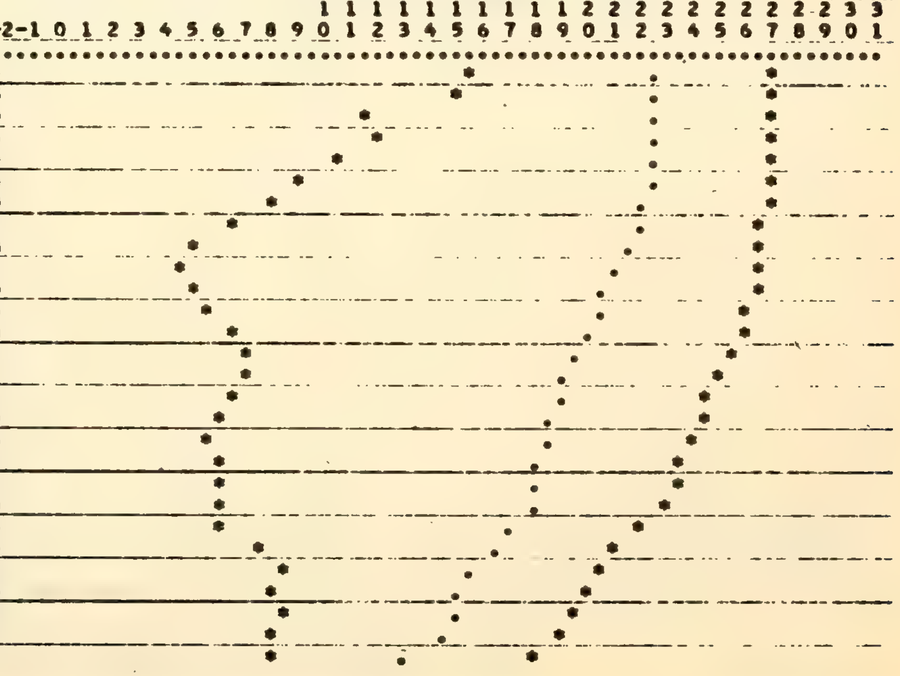
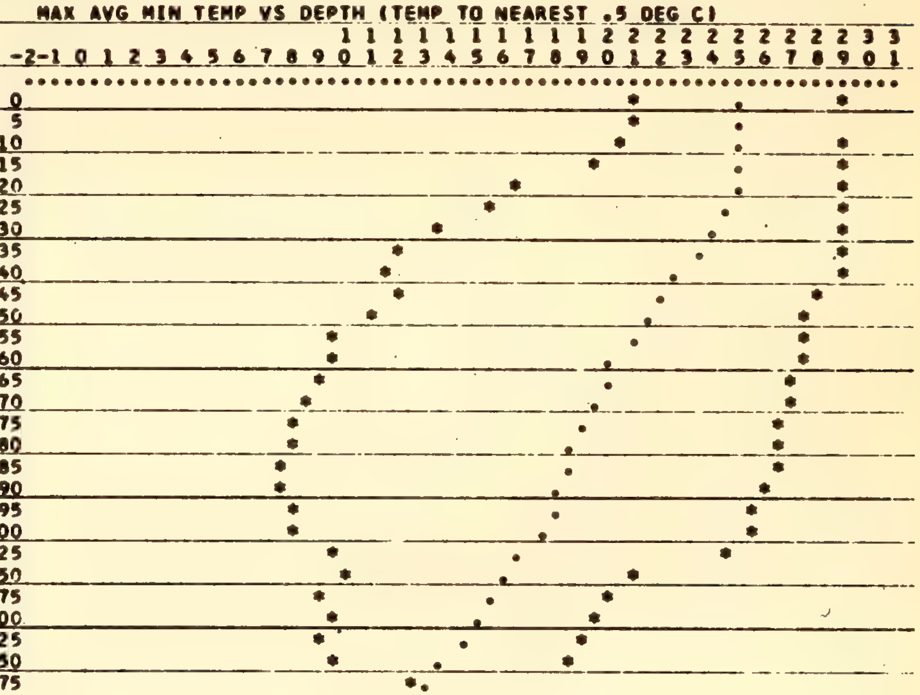


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3   MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.0	25.1	21.0	337	1.6	0.0	0.0	0.0	0
5	36.3	25.1	20.8	337	1.8	18.0	-0.2	-200.0	5
10	29.1	25.0	20.3	337	1.7	200.0	1.3	-30.0	10
15	29.1	24.9	19.5	337	1.8	44.0	1.2	-34.0	15
20	29.1	24.8	16.7	337	2.0	84.0	3.4	-30.0	20
25	29.1	24.5	15.4	337	2.3	70.0	6.1	-16.0	25
30	29.1	24.0	13.7	337	2.7	80.0	10.0	-16.0	30
35	29.1	23.3	12.1	335	3.1	84.0	11.8	-14.0	35
40	28.8	22.7	11.7	333	3.5	130.0	13.4	-18.0	40
45	27.8	22.0	12.0	331	3.8	82.0	13.4	-44.0	45
50	27.7	21.3	10.8	330	4.0	76.0	13.1	-34.0	50
55	27.5	20.8	9.4	329	4.1	54.0	10.8	-56.0	55
60	27.3	20.2	9.3	329	4.2	140.0	11.0	-36.0	60
65	27.2	19.8	8.8	324	4.3	72.0	9.6	-30.0	65
70	27.1	19.4	8.4	323	4.3	46.0	7.9	-24.0	70
75	26.7	19.0	7.9	317	4.2	42.0	6.3	-40.0	75
80	26.6	18.7	7.9	313	4.1	58.0	6.4	-46.0	80
85	26.3	18.4	7.3	312	4.1	54.0	5.9	-44.0	85
90	26.1	18.2	7.5	308	4.0	48.0	5.5	-28.0	90
95	25.7	17.9	7.8	303	3.9	44.0	4.8	-30.0	95
100	25.5	17.7	8.1	303	3.8	58.0	4.5	-62.0	100
125	24.7	16.6	9.6	256	3.3	34.4	4.0	-8.0	125
150	21.1	16.1	9.9	182	2.9	28.4	3.2	-10.8	150
175	20.1	15.7	9.1	180	2.8	10.8	1.5	-17.2	175
200	19.5	15.2	9.4	175	2.7	14.0	1.9	-11.6	200
225	18.9	14.6	9.2	147	2.5	14.8	2.2	-6.4	225
250	18.3	13.7	9.7	49	2.4	6.8	1.9	-2.0	250
275	13.1	12.8	12.6	2	0.3	4.0	3.0	2.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3   MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.7	26.2	22.4	392	1.3	0.0	0.0	0.0	0
5	28.7	26.2	22.4	392	1.3	6.0	0.0	-18.0	5
10	28.8	26.2	22.6	392	1.3	26.0	-0.1	-20.0	10
15	28.7	26.2	22.7	392	1.3	42.0	0.5	-24.0	15
20	28.8	26.1	8.4	392	1.7	34.0	1.8	-28.0	20
25	29.1	26.0	19.7	392	1.8	78.0	3.2	-18.0	25
30	29.1	25.7	17.6	392	2.2	60.0	6.2	-20.0	30
35	28.9	25.2	16.3	392	2.6	116.0	8.8	-20.0	35
40	28.7	24.7	10.5	392	3.1	132.0	10.5	-102.0	40
45	28.5	24.2	11.8	392	3.3	56.0	10.7	-26.0	45
50	28.4	23.6	11.6	392	3.6	58.0	11.3	-16.0	50
55	28.4	23.1	11.1	392	3.7	42.0	10.8	-32.0	55
60	28.4	22.5	10.9	392	3.7	90.0	11.4	-36.0	60
65	28.1	21.9	9.5	390	3.8	72.0	11.5	-8.0	65
70	27.4	21.4	9.4	390	3.8	76.0	9.8	-32.0	70
75	27.2	21.0	9.6	389	3.8	94.0	9.4	-30.0	75
80	27.1	20.6	10.7	387	3.7	66.0	8.0	-38.0	80
85	26.9	20.2	10.8	387	3.7	68.0	8.0	-24.0	85
90	26.7	19.8	10.6	386	3.6	34.0	7.4	-30.0	90
95	26.3	19.5	10.7	385	3.5	48.0	7.4	-46.0	95
100	26.1	19.1	10.5	385	3.5	68.0	7.0	-26.0	100
125	25.1	17.9	11.2	381	3.2	26.0	4.9	-42.0	125
150	23.9	17.2	10.0	339	2.8	46.8	4.0	-12.4	150
175	22.4	16.4	9.7	339	2.7	19.6	3.0	-8.4	175
200	21.2	15.9	8.9	333	2.5	19.6	2.2	-13.6	200
225	19.8	15.4	8.7	321	2.6	9.6	2.0	-4.4	225
250	18.9	14.8	9.4	247	2.6	17.2	2.0	-4.4	250
275	17.5	17.5	17.5	1	0.0	0.8	0.8	0.8	275

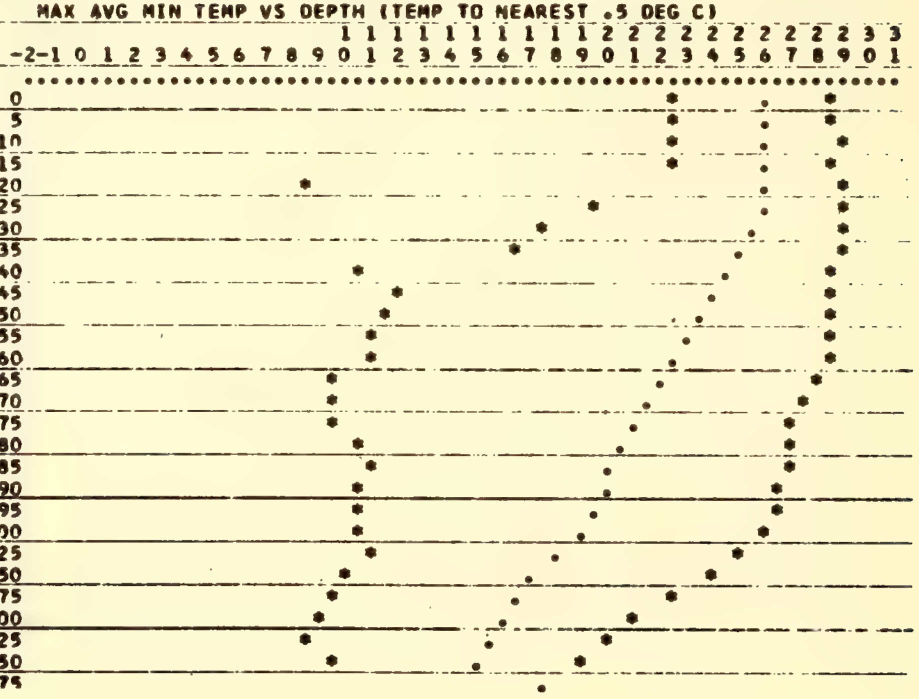


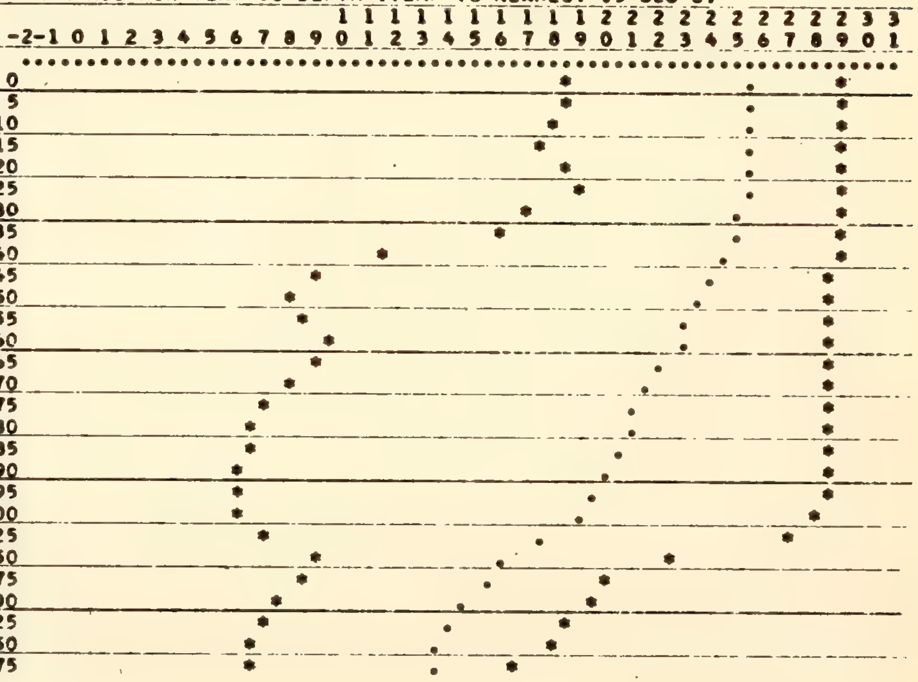
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3   MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.9	25.4	18.3	170	2.1	0.0	0.0	0.0	0
5	28.9	25.4	18.4	170	2.1	8.0	0.1	-12.0	5
10	28.9	25.4	18.1	170	2.1	14.0	0.3	-10.0	10
15	28.9	25.4	17.3	170	2.1	18.0	0.6	-12.0	15
20	29.1	25.4	18.5	170	2.1	24.0	-0.0	-24.0	20
25	29.1	25.3	18.9	170	2.2	48.0	0.7	-24.0	25
30	29.1	25.2	16.9	170	2.3	48.0	2.8	-18.0	30
35	28.9	24.9	15.9	170	2.5	66.0	5.1	-26.0	35
40	28.8	24.6	11.5	170	2.8	92.0	6.6	-30.0	40
45	28.7	24.2	8.8	169	3.2	56.0	8.3	-24.0	45
50	28.6	23.7	7.8	169	3.6	64.0	9.0	-2.0	50
55	28.7	23.2	8.3	166	4.0	82.0	9.7	-10.0	55
60	28.7	22.8	9.4	166	4.3	86.0	9.5	-22.0	60
65	28.7	22.2	9.1	164	4.5	66.0	10.1	-14.0	65
70	28.7	21.7	8.1	164	4.7	56.0	10.5	-8.0	70
75	28.6	21.2	7.2	163	4.8	62.0	8.4	-26.0	75
80	28.3	20.9	6.7	160	4.9	88.0	8.4	-16.0	80
85	28.3	20.4	6.5	159	4.9	74.0	9.0	-18.0	85
90	28.3	20.0	5.9	157	4.8	44.0	7.5	-32.0	90
95	28.3	19.5	5.8	148	4.7	38.0	8.0	-44.0	95
100	28.2	19.2	5.9	148	4.6	40.0	6.5	-26.0	100
125	26.8	17.6	7.1	128	4.1	46.0	5.4	-9.2	125
150	22.5	16.1	8.8	87	3.6	32.0	4.4	-6.0	150
175	19.8	15.3	8.5	84	3.3	27.6	3.0	-20.4	175
200	19.3	14.5	7.7	79	3.4	16.0	2.7	-5.6	200
225	18.7	14.0	7.2	77	3.4	6.4	2.2	-6.0	225
250	18.1	13.3	6.7	54	3.6	9.2	2.3	-0.4	250
275	16.4	13.5	6.6	13	3.7	3.2	1.5	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3   MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.9	24.2	18.2	203	1.9	0.0	0.0	0.0	0
5	28.9	24.3	18.3	203	1.9	4.0	-0.0	-8.0	5
10	28.8	24.3	18.3	203	1.9	6.0	-0.2	-30.0	10
15	28.7	24.3	18.3	203	1.9	6.0	-0.3	-20.0	15
20	28.7	24.3	18.3	203	1.9	8.0	-0.2	-32.0	20
25	28.7	24.3	18.3	203	1.9	16.0	0.2	-28.0	25
30	28.6	24.2	18.0	203	1.9	24.0	0.7	-14.0	30
35	28.4	24.2	17.8	203	2.0	46.0	1.4	-16.0	35
40	27.8	24.1	17.6	203	2.1	50.0	2.0	-34.0	40
45	27.7	23.9	16.4	203	2.3	86.0	4.0	-24.0	45
50	27.6	23.6	15.1	203	2.5	84.0	5.1	-36.0	50
55	27.5	23.3	14.6	201	2.9	64.0	6.1	-12.0	55
60	27.4	23.1	14.5	201	3.2	72.0	5.4	-18.0	60
65	27.3	22.8	13.5	201	3.4	58.0	5.5	-18.0	65
70	27.3	22.5	12.8	200	3.6	68.0	4.9	-24.0	70
75	27.3	22.2	9.4	199	3.9	110.0	8.0	-18.0	75
80	27.3	21.9	9.0	199	4.1	60.0	6.6	-14.0	80
85	27.2	21.5	8.9	199	4.1	44.0	7.5	-30.0	85
90	26.8	21.1	9.0	199	4.0	38.0	7.1	-30.0	90
95	26.7	20.7	9.1	196	4.0	190.0	8.6	-16.0	95
100	26.4	20.3	9.1	196	4.0	76.0	7.0	-180.0	100
125	26.1	18.7	8.2	179	3.8	26.0	5.9	-10.0	125
150	25.3	17.5	8.8	148	3.6	32.4	4.2	-21.2	150
175	24.0	16.6	7.8	148	3.4	16.8	3.4	-6.0	175
200	22.5	16.0	8.9	142	3.4	11.2	2.4	-9.6	200
225	21.3	15.6	8.3	127	3.4	8.4	2.0	-1.6	225
250	20.4	14.7	7.2	69	3.8	11.6	2.0	-1.2	250
275	18.2	13.8	6.8	5	4.8	4.0	1.4	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

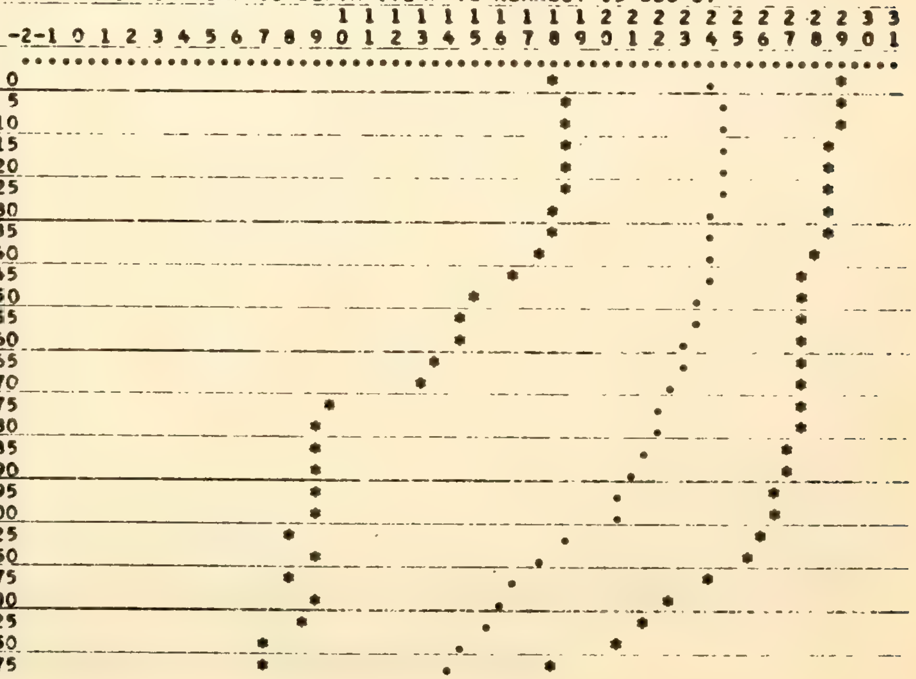


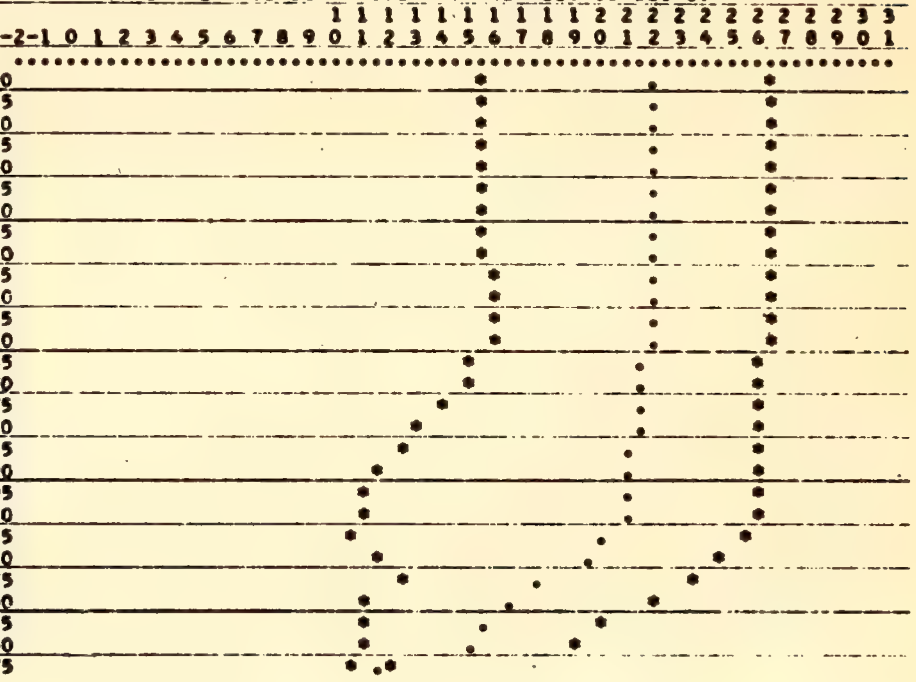
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.5	22.1	15.4	142	2.2	0.0	0.0	0.0	0
5	26.6	22.1	15.4	142	2.2	6.0	-0.4	-8.0	5
10	26.6	22.1	15.4	142	2.2	12.0	-0.3	-28.0	10
15	26.6	22.1	15.3	142	2.2	4.0	0.0	-6.0	15
20	26.6	22.1	15.3	142	2.1	6.0	-0.1	-32.0	20
25	26.6	22.1	15.3	142	2.2	12.0	0.1	-14.0	25
30	26.6	22.1	15.4	142	2.1	16.0	0.4	-6.0	30
35	26.6	22.0	15.6	141	2.2	18.0	0.7	-4.0	35
40	26.6	22.0	15.6	141	2.2	52.0	1.1	-2.0	40
45	26.6	21.9	16.0	141	2.2	28.0	0.9	-10.0	45
50	26.6	21.9	16.0	141	2.2	34.0	0.8	-38.0	50
55	26.6	21.9	16.0	141	2.2	28.0	1.0	-16.0	55
60	26.6	21.8	16.0	141	2.3	42.0	1.9	-4.0	60
65	26.2	21.7	15.2	141	2.3	80.0	1.8	-10.0	65
70	26.0	21.6	14.9	141	2.4	54.0	2.3	-16.0	70
75	25.9	21.4	13.9	139	2.5	54.0	3.8	-16.0	75
80	25.9	21.4	13.2	136	2.5	30.0	2.6	-16.0	80
85	25.8	21.2	12.3	136	2.6	54.0	3.1	-32.0	85
90	25.8	21.1	11.7	134	2.7	38.0	2.0	-28.0	90
95	25.8	21.1	11.2	131	2.7	44.0	2.3	-30.0	95
100	25.8	20.9	10.9	131	2.8	38.0	3.2	-16.0	100
125	25.6	20.0	10.7	119	3.0	28.4	3.4	-4.0	125
150	24.6	19.3	11.3	88	2.8	20.0	3.6	-11.6	150
175	23.3	17.7	12.7	75	2.8	32.4	5.7	-10.0	175
200	21.8	16.4	10.8	68	2.7	29.2	3.9	-12.4	200
225	20.1	15.5	10.9	63	2.6	34.8	3.8	-0.8	225
250	19.2	14.8	10.9	31	3.0	5.6	1.7	-1.6	250
275	12.2	11.6	10.4	5	0.6	2.0	0.6	-0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.8	20.1	15.8	113	2.2	0.0	0.0	0.0	0
5	24.8	20.1	15.8	113	2.2	4.0	-0.2	-4.0	5
10	24.8	20.1	15.8	113	2.2	10.0	0.1	-4.0	10
15	24.8	20.1	15.8	113	2.2	10.0	0.3	-6.0	15
20	24.8	20.1	15.8	113	2.2	10.0	0.4	-4.0	20
25	24.8	20.1	15.8	113	2.2	12.0	0.5	-6.0	25
30	24.8	20.0	15.8	113	2.2	8.0	0.4	-8.0	30
35	24.8	20.0	15.8	113	2.2	18.0	0.5	-16.0	35
40	24.8	20.0	15.7	113	2.2	20.0	0.8	-2.0	40
45	24.8	19.9	15.7	113	2.2	18.0	1.1	-2.0	45
50	24.8	19.9	15.7	113	2.2	16.0	1.0	-10.0	50
55	24.8	19.8	15.6	113	2.1	30.0	0.9	-10.0	55
60	24.8	19.8	15.6	113	2.1	20.0	1.5	-10.0	60
65	24.8	19.7	15.6	113	2.2	20.0	1.6	-16.0	65
70	24.8	19.6	15.6	113	2.2	16.0	1.3	-8.0	70
75	24.8	19.5	15.0	113	2.2	36.0	2.8	-18.0	75
80	24.8	19.3	13.6	113	2.3	38.0	2.8	-14.0	80
85	24.8	19.3	12.8	112	2.3	20.0	1.4	-16.0	85
90	24.7	19.2	12.1	110	2.3	24.0	2.3	-4.0	90
95	24.6	19.1	11.9	106	2.3	26.0	2.1	-8.0	95
100	24.4	18.9	12.6	106	2.3	34.0	2.7	-14.0	100
125	22.8	18.2	13.3	102	2.2	12.0	3.0	-12.8	125
150	22.2	17.3	12.4	93	2.3	12.4	3.1	-8.4	150
175	22.1	16.5	11.7	92	2.3	19.6	3.6	-2.4	175
200	21.9	15.7	10.6	92	2.3	12.0	3.1	-7.6	200
225	22.1	15.1	9.3	81	2.5	9.2	2.9	-1.6	225
250	19.9	14.0	8.4	33	2.6	11.6	3.5	0.8	250
275	15.7	14.1	13.0	5	1.1	5.2	3.4	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

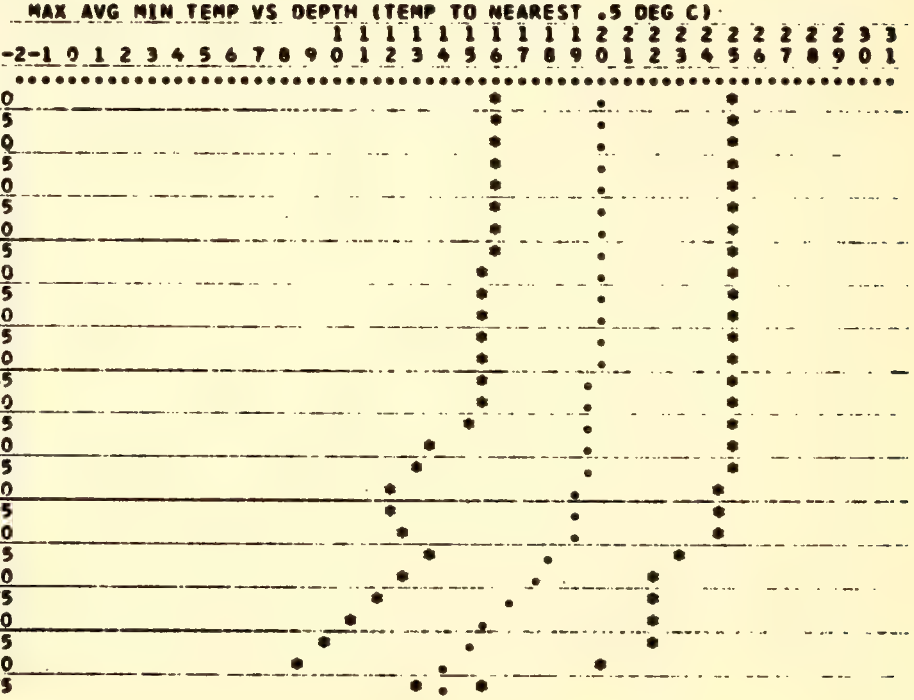


Table VI-1.—Continued

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                            NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 3A    MONTH  1
                                                                    MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                           1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                          GRADIENT           -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN    NUM  SDEV       MAX    AVG     MIN       ...................................................................
     0 20.1  17.1  13.4    61   1.4       0.0    0.0     0.0    0                                 *      .     *
     5 20.0  17.2  13.6    61   1.4       2.0   -0.3    -6.0    5                                 *      .     *
    10 19.9  17.2  13.8    61   1.4       2.0    0.1    -4.0   10                                  *     .     *
    15 19.9  17.2  13.9    61   1.4       6.0    0.0    -2.0   15                                  *     .     *
    20 19.9  17.1  13.9    61   1.4       4.0    0.4    -2.0   20                                  *     .     *
    25 19.9  17.1  14.0    61   1.4       8.0    0.5    -2.0   25                                  *     .     *
    30 19.9  17.1  14.1    61   1.4      12.0    0.5    -2.0   30                                  *     .     *
    35 20.0  17.1  14.2    61   1.4      14.0    0.5    -2.0   35                                  *     .     *
    40 20.0  17.0  14.2    61   1.4      14.0    0.9    -2.0   40                                  *     .     *
    45 20.0  17.0  14.2    61   1.4       8.0    0.6    -2.0   45                                  *     .     *
    50 20.0  17.0  14.2    61   1.4       8.0    0.5    -4.0   50                                  *     .     *
    55 20.0  17.0  14.2    61   1.4       8.0    0.1   -22.0   55                                  *     .     *
    60 20.0  16.9  14.2    61   1.4      14.0    0.6    -6.0   60                                  *     .     *
    65 20.0  16.9  14.2    61   1.4      18.0    0.9    -6.0   65                                  *     .     *
    70 20.0  16.9  14.3    61   1.4      10.0    0.3   -16.0   70                                   *    .     *
    75 20.0  16.8  14.3    61   1.4      18.0    0.4    -4.0   75                                   *    .     *
    80 20.0  16.8  14.3    61   1.4      22.0    1.2     0.0   80                                   *    .     *
    85 20.0  16.7  14.3    61   1.4      10.0    0.8    -2.0   85                                   *   .      *
    90 20.0  16.7  14.3    61   1.4      22.0    0.8    -2.0   90                                   *   .      *
    95 20.0  16.7  14.2    61   1.4      10.0   -0.2   -22.0   95                                  *    .      *
   100 20.0  16.7  14.1    61   1.4      14.0    0.2   -16.0  100                                  *    .      *
   125 19.5  16.6  13.6    58   1.4       5.2    0.5    -5.6  125                                 *     .     *
   150 19.0  16.3  12.7    57   1.2      10.4    1.3    -6.8  150                               *       .    *
   175 18.5  16.0  12.0    57   1.3       5.6    1.0    -8.8  175                              *       .    *
   200 17.8  15.6  12.8    54   1.4       7.6    1.9    -4.4  200                                *    .    *
   225 17.5  15.1  12.3    37   1.5       6.0    2.5     0.4  225                               *    .    *
   250 17.1  14.3  11.5    20   1.9       4.8    2.3     0.0  250                             *     .    *
   275 16.7  13.6  11.2     9   1.9       4.0    2.2     1.2  275                            *    .     *
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                            NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 3A    MONTH  2
                                                                    MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                           1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                          GRADIENT           -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN    NUM  SDEV       MAX    AVG     MIN       ...................................................................
     0 20.1  17.2   7.5   100   2.4       0.0    0.0     0.0    0                     *                  .     *
     5 20.1  17.2   7.5   100   2.4       2.0   -0.2   -10.0    5                     *                  .     *
    10 20.1  17.2   7.5   100   2.4       4.0   -0.0    -6.0   10                     *                  .     *
    15 20.1  17.2   7.4   100   2.4      24.0    0.4    -2.0   15                     *                  .     *
    20 20.0  17.1   7.4   100   2.4      46.0    0.7    -4.0   20                     *                  .     *
    25 20.0  17.1   7.4   100   2.4       8.0    0.1   -18.0   25                     *                  .     *
    30 20.0  17.2   7.6   100   2.3      12.0   -0.1   -24.0   30                     *                  .     *
    35 20.1  17.1   7.6   100   2.3      30.0    0.5    -8.0   35                     *                  .     *
    40 20.1  17.1   7.7   100   2.3      22.0    0.5   -10.0   40                     *                  .     *
    45 20.1  17.0   8.9   100   2.3      44.0    1.2   -24.0   45                        *               .     *
    50 20.1  17.0   9.9   100   2.3      28.0    0.5   -20.0   50                          *             .     *
    55 20.1  17.0  10.4   100   2.3      14.0    0.8   -10.0   55                           *            .     *
    60 20.1  16.9  10.9   100   2.3      30.0    1.5   -10.0   60                            *           .     *
    65 20.1  16.8  11.1    99   2.3      24.0    0.9   -20.0   65                            *           .     *
    70 20.1  16.7  11.2    99   2.2      56.0    2.3   -26.0   70                            *          .      *
    75 20.1  16.6  11.4    99   2.2      36.0    1.7   -10.0   75                             *         .      *
    80 20.1  16.6  11.6    99   2.2      40.0    1.0   -38.0   80                             *         .      *
    85 20.1  16.5  11.7    99   2.2      46.0    1.1   -18.0   85                             *         .      *
    90 20.1  16.5  11.7    99   2.2      30.0    1.3   -24.0   90                             *         .      *
    95 20.1  16.4  11.7    99   2.1      18.0    0.7   -42.0   95                             *         .      *
   100 19.8  16.4  11.7    99   2.1      18.0    1.4   -12.0  100                             *         .      *
   125 19.7  16.0  11.8    95   2.1      16.4    1.7    -4.4  125                              *       .      *
   150 19.6  15.5  11.8    83   2.0      17.2    1.3    -4.8  150                              *      .       *
   175 19.1  15.3  11.0    83   2.0       9.6    1.0    -6.0  175                            *        .      *
   200 18.8  15.1  10.8    81   2.0       7.2    0.8    -5.6  200                            *       .       *
   225 18.3  15.2  11.5    30   2.0      11.2    1.4    -7.2  225                             *      .      *
   250 17.6  15.0  11.5    16   1.8       5.6    0.6    -8.4  250                             *      .    *
   275 17.0  15.5  12.9     5   1.5       2.0    0.0    -3.2  275                                *    .  *
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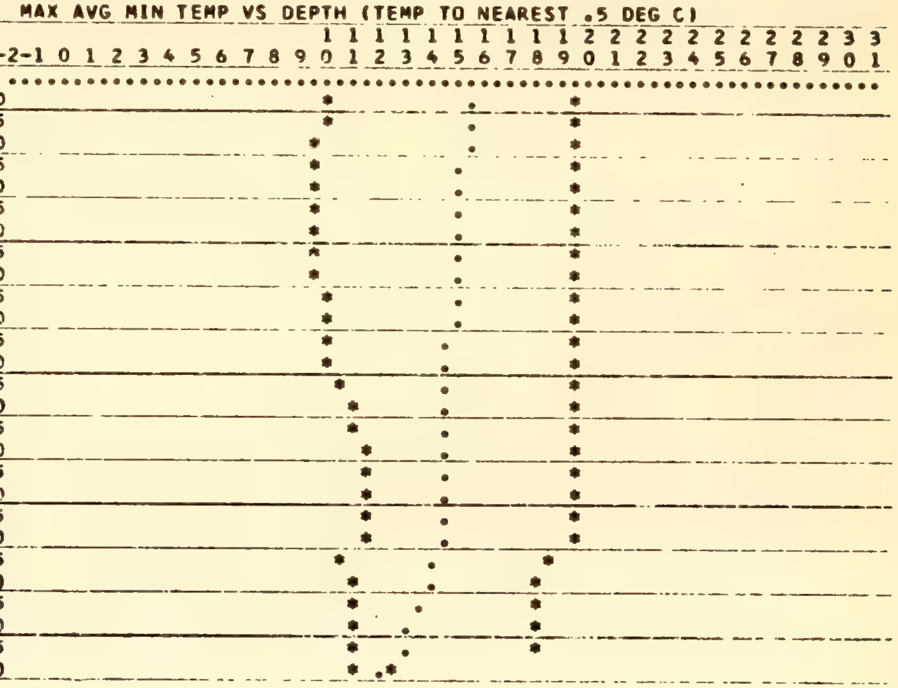
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3A MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	19.4	15.3	10.9	62	2.0	0.0	0.0	0.0	0
5	19.4	15.3	9.8	62	2.0	4.0	0.3	-6.0	5
10	19.4	15.3	9.7	62	2.0	6.0	0.5	-8.0	10
15	19.4	15.2	9.7	62	2.0	38.0	2.0	-4.0	15
20	19.4	15.1	9.7	62	1.9	10.0	1.3	-2.0	20
25	19.4	15.1	9.7	62	1.9	24.0	1.0	-6.0	25
30	19.4	15.0	9.7	62	1.9	20.0	1.0	-12.0	30
35	19.4	14.9	9.7	62	1.9	28.0	1.7	-8.0	35
40	19.4	14.9	9.7	62	1.8	30.0	1.3	-10.0	40
45	19.4	14.8	9.8	62	1.8	16.0	1.0	-22.0	45
50	19.4	14.8	9.9	62	1.8	16.0	0.7	-12.0	50
55	19.4	14.7	10.0	62	1.9	24.0	0.9	-8.0	55
60	19.4	14.7	10.2	62	1.8	14.0	0.5	-8.0	60
65	19.4	14.7	10.4	61	1.9	12.0	0.7	-10.0	65
70	19.4	14.7	10.9	61	1.8	10.0	0.2	-14.0	70
75	19.4	14.7	11.2	61	1.8	22.0	1.0	-6.0	75
80	19.4	14.6	11.4	61	1.8	12.0	0.6	-16.0	80
85	19.4	14.6	11.7	61	1.8	18.0	1.1	-18.0	85
90	19.4	14.5	11.7	61	1.9	38.0	1.7	-6.0	90
95	19.4	14.4	11.7	61	1.9	14.0	0.8	-14.0	95
100	19.4	14.3	11.6	61	1.9	20.0	1.9	-14.0	100
125	18.3	14.0	10.6	59	1.7	12.8	1.3	-7.6	125
150	18.2	13.8	10.9	52	1.7	10.0	0.7	-12.8	150
175	18.2	13.4	10.8	51	1.6	20.0	1.3	-6.0	175
200	18.2	13.2	10.9	50	1.4	11.2	1.2	-6.8	200
225	18.0	13.0	10.8	44	1.5	4.4	1.1	-5.6	225
250	12.5	12.1	11.0	8	0.5	2.0	0.6	-0.8	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3A MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	22.4	15.5	10.7	33	3.4	0.0	0.0	0.0	0
5	22.4	15.5	10.7	33	3.4	2.0	0.1	-2.0	5
10	22.4	15.5	10.8	33	3.4	2.0	0.3	-2.0	10
15	22.4	15.5	11.2	33	3.4	2.0	-0.1	-8.0	15
20	22.4	15.5	11.8	33	3.4	2.0	-0.3	-12.0	20
25	22.4	15.5	11.8	33	3.3	2.0	-0.2	-14.0	25
30	22.3	15.5	11.8	33	3.3	4.0	0.3	-2.0	30
35	22.3	15.5	11.8	33	3.3	8.0	0.7	0.0	35
40	22.3	15.5	11.9	33	3.2	6.0	-1.2	-52.0	40
45	22.3	15.4	11.6	33	3.3	62.0	2.4	-2.0	45
50	22.3	15.4	11.7	33	3.3	8.0	0.8	-2.0	50
55	22.3	15.2	11.8	32	3.3	10.0	0.8	-4.0	55
60	22.3	15.2	11.7	32	3.3	8.0	0.6	-6.0	60
65	22.3	15.2	11.6	31	3.3	22.0	2.3	-2.0	65
70	22.3	15.1	11.5	31	3.3	22.0	2.3	-2.0	70
75	22.2	15.0	11.2	31	3.3	16.0	2.1	-2.0	75
80	22.1	14.9	11.1	31	3.3	6.0	0.7	-2.0	80
85	21.7	14.8	11.0	31	3.2	8.0	1.5	-2.0	85
90	21.2	14.8	11.0	31	3.1	10.0	1.2	-4.0	90
95	21.2	14.8	11.1	31	3.0	8.0	0.6	-2.0	95
100	21.1	14.7	11.3	31	3.0	12.0	1.4	-4.0	100
125	20.0	14.5	11.8	31	2.7	4.4	0.7	-6.8	125
150	19.6	14.4	11.5	29	2.6	8.8	0.9	-1.6	150
175	19.6	14.0	11.2	28	2.5	3.2	1.1	-0.8	175
200	19.6	13.6	10.8	25	2.5	4.8	1.3	-1.2	200
225	17.8	13.5	11.1	12	2.1	6.4	1.5	0.0	225
250	17.2	14.2	12.2	5	2.0	2.4	1.4	0.0	250

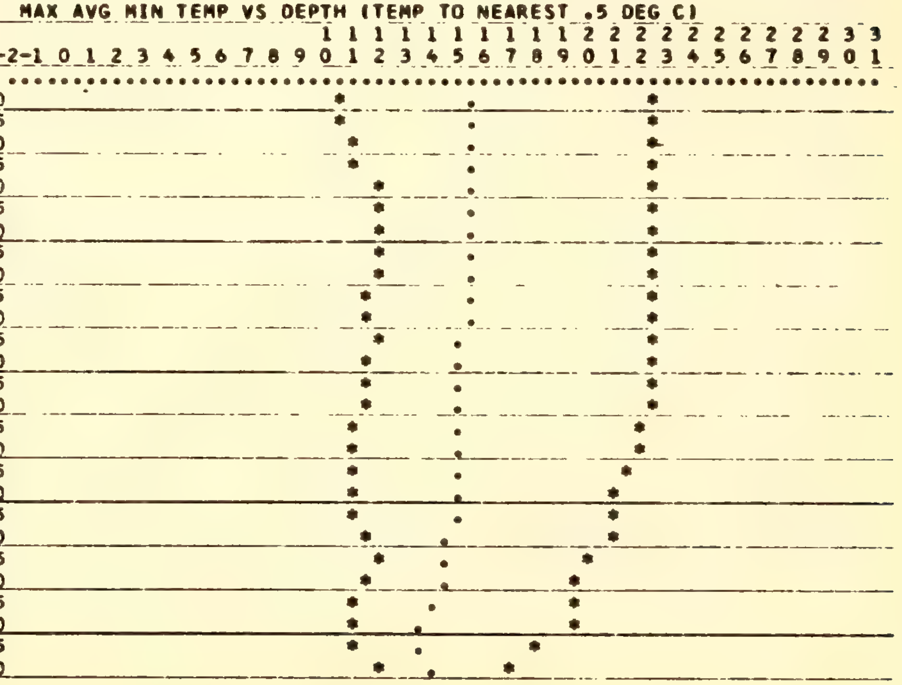


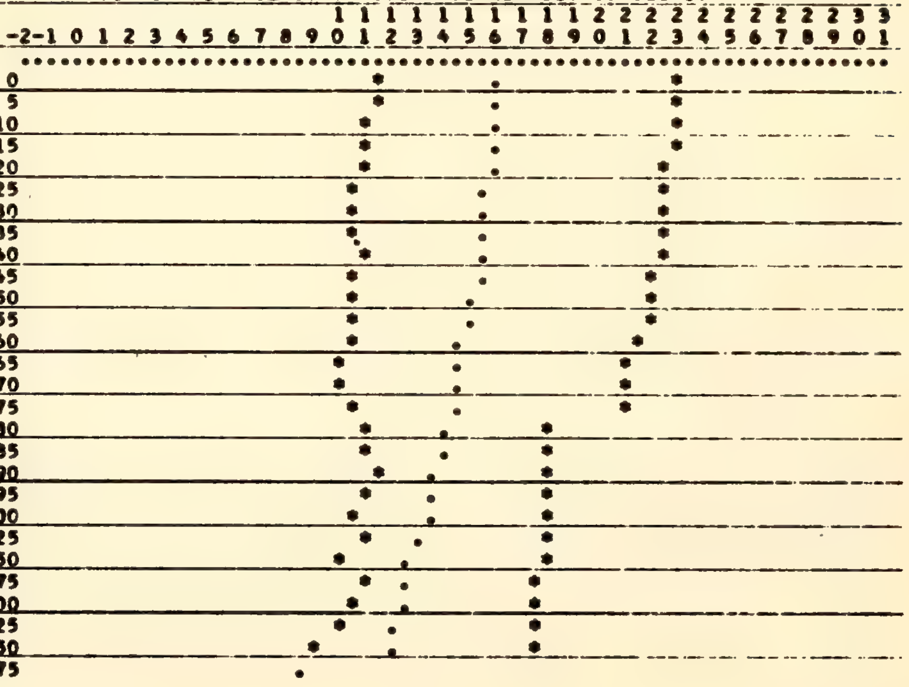
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3A MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	22.8	16.1	11.4	49	2.3	0.0	0.0	0.0	0
5	22.8	16.0	11.3	49	2.3	4.0	0.2	-6.0	5
10	22.8	16.0	11.2	49	2.2	14.0	0.7	-4.0	10
15	22.8	15.9	11.0	49	2.2	20.0	1.3	-4.0	15
20	22.7	15.9	10.8	49	2.2	14.0	1.7	-4.0	20
25	22.7	15.7	10.6	49	2.2	40.0	2.6	-12.0	25
30	22.7	15.6	10.5	49	2.2	36.0	2.4	-16.0	30
35	22.5	15.5	10.4	49	2.2	36.0	2.5	-6.0	35
40	22.3	15.4	10.8	48	2.2	18.0	1.6	-12.0	40
45	22.1	15.3	10.6	48	2.2	32.0	2.0	-2.0	45
50	21.9	15.1	10.7	48	2.3	36.0	3.4	-4.0	50
55	21.8	14.8	10.5	47	2.4	80.0	5.7	-6.0	55
60	21.5	14.6	10.3	46	2.4	42.0	3.8	-10.0	60
65	21.1	14.4	10.0	46	2.3	16.0	2.4	-24.0	65
70	21.1	14.3	9.9	46	2.3	16.0	2.2	-10.0	70
75	21.1	14.3	10.6	46	2.2	42.0	1.5	-30.0	75
80	18.1	14.0	10.9	45	1.9	30.0	1.2	-24.0	80
85	18.1	13.9	11.0	43	1.8	18.0	2.1	-6.0	85
90	18.1	13.7	11.3	43	1.8	30.0	3.7	-6.0	90
95	18.1	13.5	11.1	43	1.8	30.0	3.3	-20.0	95
100	18.0	13.3	10.5	43	1.8	24.0	3.6	-18.0	100
125	17.9	12.8	10.8	41	1.7	11.2	1.5	-8.4	125
150	17.8	12.5	9.8	40	1.7	12.0	1.2	-6.8	150
175	17.7	12.5	10.8	40	1.5	8.0	0.1	-8.4	175
200	17.7	12.3	10.6	35	1.5	6.8	0.9	-5.6	200
225	17.7	11.8	9.9	29	1.4	7.6	1.9	-2.0	225
250	17.6	11.9	9.1	5	3.3	3.2	1.5	0.4	250
275	8.4	8.4	8.4	1	0.0	2.8	2.8	2.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3A MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.3	21.8	15.7	103	2.2	0.0	0.0	0.0	0
5	25.3	21.7	15.7	103	2.2	10.0	0.7	-12.0	5
10	25.3	21.7	15.7	103	2.3	16.0	1.4	-18.0	10
15	25.3	21.6	15.8	103	2.3	42.0	1.8	-48.0	15
20	25.3	21.4	14.8	103	2.5	52.0	2.9	-28.0	20
25	25.3	21.2	13.4	103	2.7	50.0	5.0	-20.0	25
30	25.2	20.9	10.8	103	2.9	52.0	6.1	-8.0	30
35	24.7	20.5	7.7	103	3.1	62.0	7.1	-30.0	35
40	24.2	20.2	6.6	102	3.2	40.0	6.5	-26.0	40
45	24.2	19.9	6.2	102	3.2	48.0	6.0	-12.0	45
50	24.1	19.7	7.1	102	3.1	52.0	5.1	-18.0	50
55	24.1	19.4	11.7	102	2.9	50.0	4.3	-92.0	55
60	24.0	19.1	9.9	102	3.0	36.0	6.0	-24.0	60
65	23.8	18.8	10.3	102	3.0	60.0	6.9	-14.0	65
70	23.7	18.4	10.2	102	3.0	48.0	7.3	-18.0	70
75	23.3	18.2	12.0	102	2.9	32.0	4.5	-56.0	75
80	22.7	18.0	11.9	102	2.9	48.0	4.2	-36.0	80
85	22.6	17.8	11.7	102	2.9	32.0	4.0	-20.0	85
90	22.3	17.6	11.6	102	2.9	30.0	4.3	-16.0	90
95	22.1	17.5	11.3	100	2.8	38.0	3.9	-16.0	95
100	21.9	17.3	10.2	100	2.8	26.0	3.1	-14.0	100
125	21.3	16.6	10.5	92	2.6	31.6	2.9	-5.2	125
150	20.0	16.3	9.8	88	2.4	8.0	1.6	-10.8	150
175	19.6	15.8	10.0	86	2.5	15.2	2.2	-4.4	175
200	19.1	15.4	9.5	84	2.6	12.4	1.7	-7.2	200
225	18.4	14.9	7.9	76	2.8	12.8	1.7	-10.4	225
250	18.3	14.5	8.4	42	2.7	4.4	0.8	-11.6	250
275	14.1	14.1	14.1	1	0.0	-0.4	-0.4	-0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

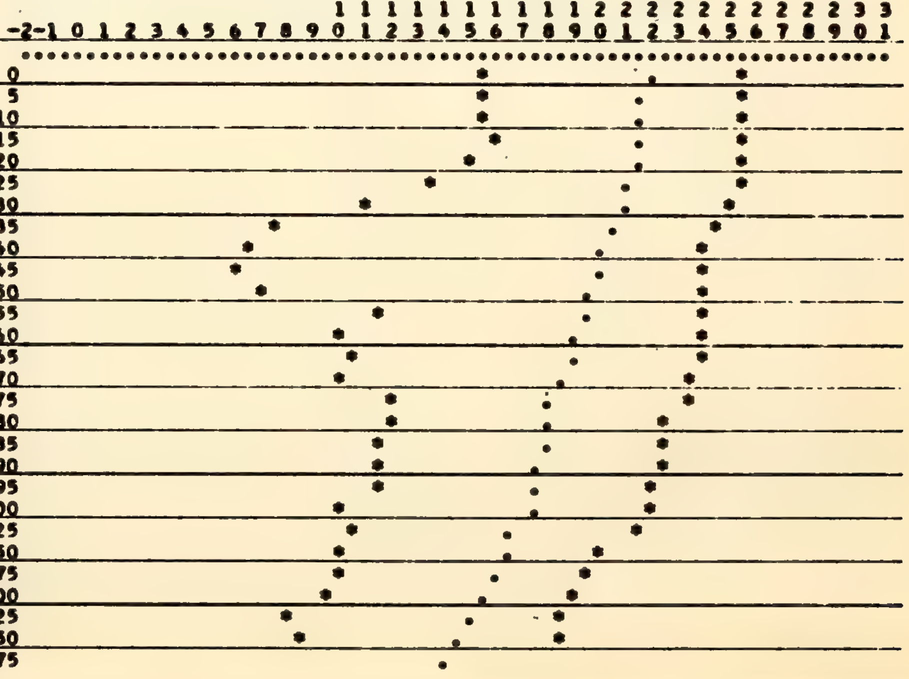


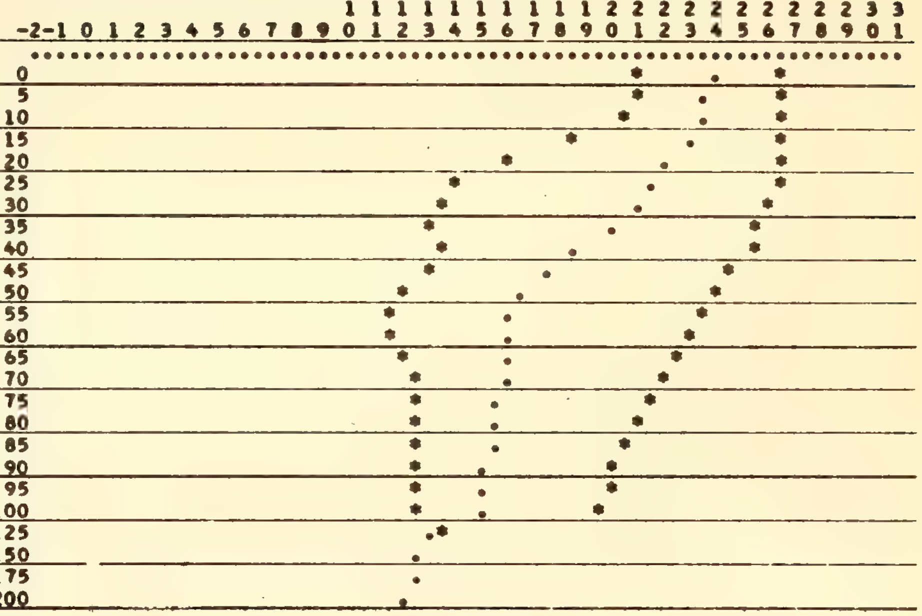
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3A MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.6	24.1	20.9	4	2.4	0.0	0.0	0.0	0
5	26.6	23.7	20.9	4	2.3	26.0	6.5	0.0	5
10	26.6	23.5	20.3	4	2.5	12.0	4.0	0.0	10
15	26.6	22.9	18.6	4	3.3	34.0	12.0	0.0	15
20	26.6	22.2	16.1	4	4.4	50.0	14.5	-4.0	20
25	26.4	21.5	14.0	4	5.4	42.0	15.0	-2.0	25
30	25.8	21.1	13.7	4	5.2	12.0	7.5	2.0	30
35	25.6	19.8	13.0	4	5.5	66.0	25.0	4.0	35
40	25.5	18.7	13.7	4	5.6	74.0	23.5	-14.0	40
45	24.7	17.5	13.1	4	5.3	52.0	22.5	10.0	45
50	23.9	16.7	12.2	4	5.1	34.0	16.5	-2.0	50
55	23.4	16.2	11.3	4	5.1	20.0	11.0	-4.0	55
60	22.8	15.9	11.4	4	4.8	16.0	6.0	-2.0	60
65	22.3	15.9	11.9	4	4.4	12.0	-0.5	-14.0	65
70	22.1	15.9	12.3	4	4.2	8.0	0.0	-8.0	70
75	21.6	15.7	12.3	4	4.0	10.0	3.5	-2.0	75
80	21.1	15.5	12.4	4	3.8	10.0	4.0	-2.0	80
85	20.7	15.3	12.5	4	3.6	8.0	3.5	-2.0	85
90	20.2	15.2	12.4	4	3.4	10.0	2.0	-6.0	90
95	20.0	15.2	12.4	4	3.3	10.0	1.5	-8.0	95
100	19.7	15.1	12.3	4	3.1	6.0	2.0	-2.0	100
125	13.4	13.2	13.0	2	0.2	4.0	4.0	4.0	125
150	12.4	12.4	12.4	1	0.0	2.4	2.4	2.4	150
175	12.4	12.4	12.4	1	0.0	0.0	0.0	0.0	175
200	12.0	12.0	12.0	1	0.0	1.6	1.6	1.6	200

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3A MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.5	25.1	23.7	18	1.1	0.0	0.0	0.0	0
5	27.3	25.0	23.7	18	1.1	12.0	1.4	-2.0	5
10	26.9	24.9	23.7	18	1.1	8.0	1.9	0.0	10
15	26.7	24.8	23.2	18	1.2	18.0	1.9	-4.0	15
20	26.7	24.6	23.2	18	1.2	38.0	4.4	-2.0	20
25	26.7	24.1	21.5	18	1.5	34.0	9.0	0.0	25
30	26.4	23.5	20.3	18	1.9	40.0	11.9	0.0	30
35	26.2	23.0	18.5	18	2.3	52.0	10.8	-18.0	35
40	25.8	22.4	17.6	18	2.4	30.0	12.7	0.0	40
45	25.4	21.5	16.6	18	2.4	56.0	17.9	-20.0	45
50	24.9	20.5	15.2	18	2.6	40.0	20.3	2.0	50
55	24.4	19.8	15.5	18	2.5	26.0	13.4	-6.0	55
60	23.9	19.2	14.6	18	2.7	26.0	11.4	4.0	60
65	23.3	18.6	14.1	18	2.8	38.0	12.0	-4.0	65
70	22.6	18.1	13.4	18	2.9	26.0	9.7	-14.0	70
75	22.2	17.8	13.3	18	2.9	28.0	6.3	-24.0	75
80	21.9	17.6	12.8	18	2.8	32.0	4.9	-14.0	80
85	21.7	17.4	13.3	18	2.6	16.0	2.4	-16.0	85
90	21.5	17.3	13.4	18	2.6	12.0	3.4	-6.0	90
95	21.3	17.1	13.4	14	2.6	8.0	4.0	-6.0	95
100	21.2	16.9	12.6	14	2.6	16.0	2.4	-18.0	100
125	20.2	16.0	11.6	12	3.0	12.8	2.9	-1.6	125
150	19.5	18.6	17.0	3	1.3	3.6	2.5	1.6	150
175	18.9	18.0	16.6	3	1.2	2.8	2.3	1.6	175
200	18.5	16.9	14.1	3	2.4	10.0	4.4	1.6	200
225	18.3	16.6	13.7	3	2.5	1.6	1.3	0.8	225
250	13.6	13.6	13.6	1	0.0	0.4	0.4	0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

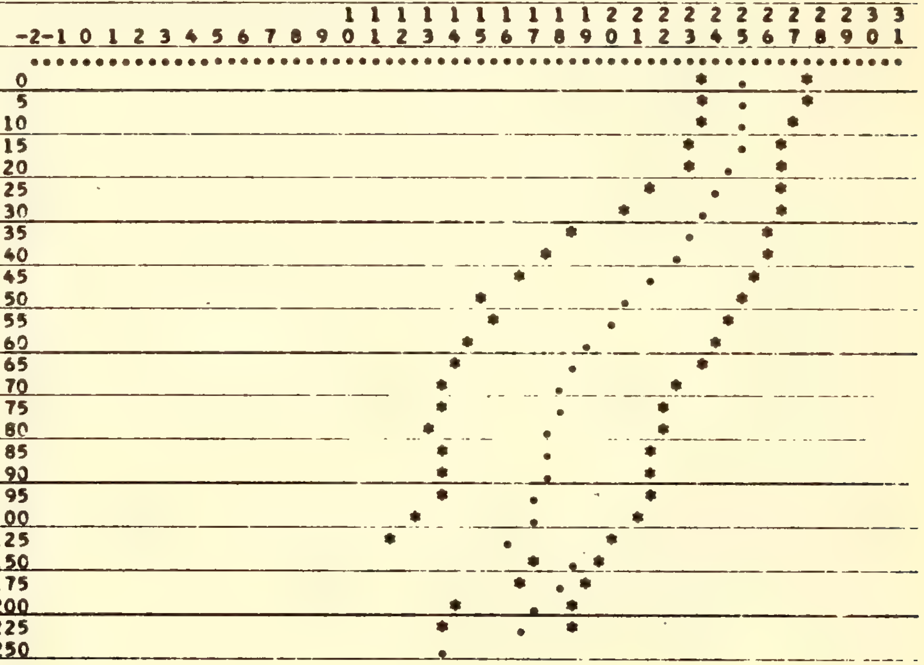
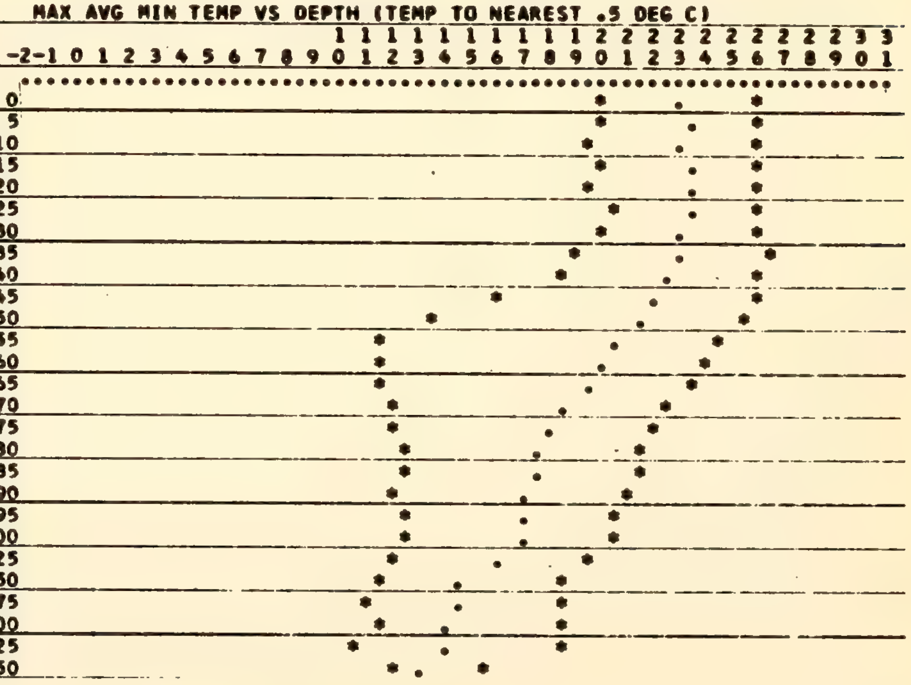


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3A MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDFV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.1	23.2	19.8	28	1.6	0.0	0.0	0.0	0
5	26.1	23.3	19.8	28	1.6	2.0	-0.3	-2.0	5
10	26.1	23.2	19.7	28	1.6	4.0	0.2	-2.0	10
15	26.1	23.3	19.8	28	1.6	4.0	-0.2	-2.0	15
20	26.1	23.3	19.7	28	1.6	4.0	-0.1	-10.0	20
25	26.1	23.3	20.4	28	1.5	2.0	-1.4	-16.0	25
30	26.2	23.2	19.8	28	1.6	58.0	2.6	-10.0	30
35	26.4	22.9	18.9	28	1.8	34.0	5.6	-4.0	35
40	26.0	22.5	18.7	28	1.9	30.0	7.5	-2.0	40
45	25.8	21.9	16.1	28	2.2	52.0	12.6	0.0	45
50	25.7	21.3	13.7	28	2.6	48.0	12.9	0.0	50
55	24.7	20.5	11.3	28	2.7	48.0	15.6	-6.0	55
60	24.1	19.9	11.3	28	2.7	5C.0	12.6	-12.0	60
65	23.4	19.3	11.7	28	2.6	32.0	11.8	-8.0	65
70	22.3	18.7	12.1	27	2.5	30.0	9.5	-8.0	70
75	21.9	18.2	12.1	27	2.5	52.0	10.2	-4.0	75
80	21.6	17.7	12.3	26	2.5	30.0	9.6	-8.0	80
85	21.3	17.3	12.3	26	2.4	34.0	6.8	-8.0	85
90	20.9	17.0	12.2	26	2.3	26.0	6.2	-4.0	90
95	20.7	17.1	12.7	24	2.1	18.0	4.9	-8.0	95
100	20.4	16.9	12.5	24	2.1	14.0	4.4	-4.0	100
125	19.4	15.8	11.8	19	2.3	9.6	4.4	1.6	125
150	18.6	14.6	11.3	14	2.0	4.8	2.3	-3.2	150
175	18.6	14.4	11.2	13	1.9	4.0	1.8	-0.4	175
200	18.3	14.2	11.3	13	1.9	2.8	0.9	-2.0	200
225	18.3	14.0	10.6	10	2.3	2.8	1.2	0.0	225
250	15.5	13.1	11.8	3	2.0	2.4	1.5	0.8	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3A MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.0	22.9	19.1	50	1.6	0.0	0.0	0.0	0
5	25.0	22.9	19.1	50	1.6	4.0	0.2	-4.0	5
10	25.0	22.9	19.1	50	1.6	2.0	0.0	-4.0	10
15	25.0	22.9	19.1	50	1.6	2.0	0.5	-2.0	15
20	25.0	22.8	19.1	50	1.6	4.0	0.5	-2.0	20
25	25.1	22.8	19.1	50	1.6	6.0	0.4	-2.0	25
30	25.1	22.8	19.1	50	1.6	6.0	0.7	-2.0	30
35	25.1	22.7	19.1	50	1.6	22.0	1.1	-2.0	35
40	25.0	22.7	19.1	50	1.7	28.0	1.7	-4.0	40
45	24.5	22.5	17.1	50	1.9	42.0	2.8	-4.0	45
50	24.5	22.4	15.2	50	2.0	38.0	2.9	-4.0	50
55	24.5	22.2	13.4	50	2.2	36.0	3.0	-10.0	55
60	24.4	22.0	12.7	50	2.3	20.0	3.4	-8.0	60
65	24.4	21.7	13.9	50	2.3	26.0	6.6	-24.0	65
70	24.4	21.3	14.9	49	2.5	42.0	10.2	-20.0	70
75	24.4	20.8	15.2	49	2.7	42.0	9.9	-6.0	75
80	24.4	20.3	15.1	49	2.8	36.0	10.0	-2.0	80
85	24.3	19.8	15.0	49	2.8	34.0	8.6	-6.0	85
90	24.2	19.4	14.5	47	2.7	30.0	7.7	-10.0	90
95	23.8	19.1	14.4	45	2.6	22.0	8.4	-4.0	95
100	23.4	18.8	14.4	45	2.5	24.0	6.6	-16.0	100
125	21.4	17.4	13.2	39	2.2	20.0	6.6	0.0	125
150	20.3	16.8	13.4	34	2.0	10.8	3.4	-0.8	150
175	19.5	16.3	12.7	34	1.9	6.0	2.2	-4.0	175
200	18.9	15.7	12.2	34	2.0	9.2	2.2	0.4	200
225	18.6	15.2	11.7	34	2.0	8.8	2.3	0.0	225
250	18.3	15.0	10.8	26	2.1	6.8	2.4	0.4	250

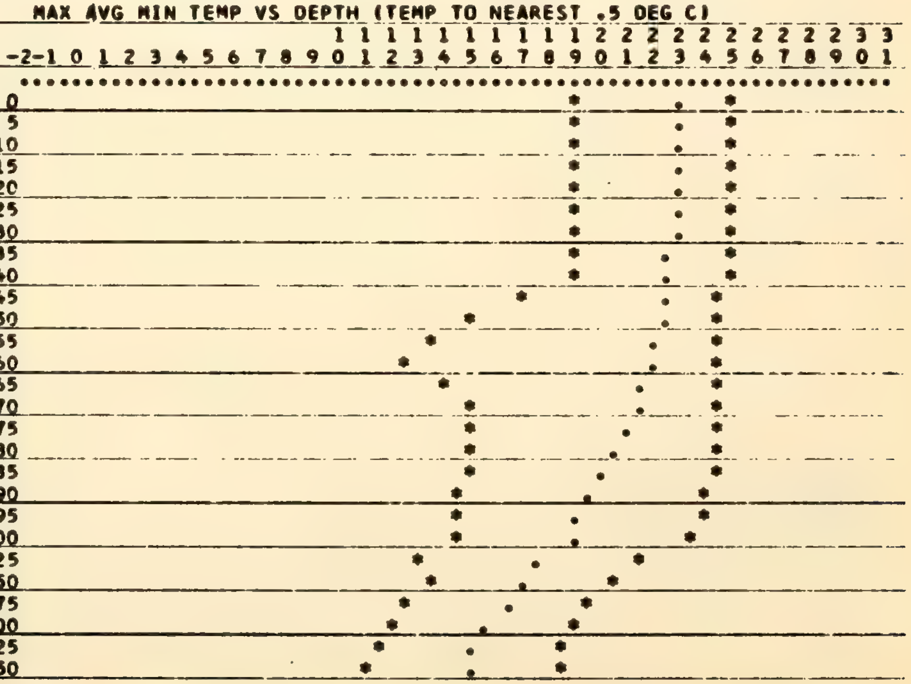


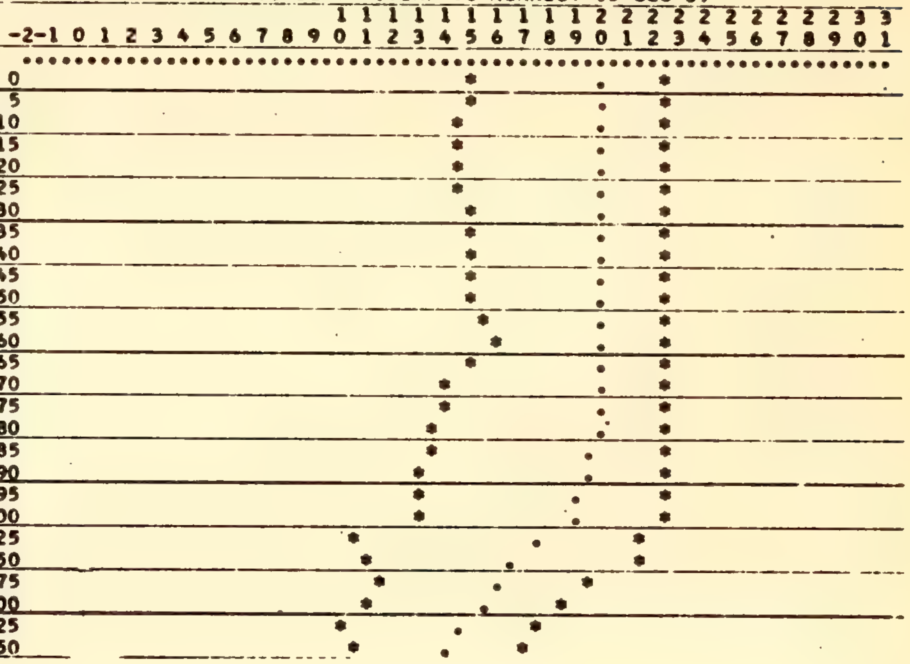
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3A MONTH 11

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	22.4	20.1	15.2	57	1.2	0.0	0.0	0.0	0
5	22.6	20.1	14.8	57	1.2	8.0	0.0	-8.0	5
10	22.6	20.1	14.6	57	1.2	4.0	-0.3	-6.0	10
15	22.6	20.1	14.7	57	1.2	4.0	-0.6	-20.0	15
20	22.7	20.2	14.7	57	1.2	2.0	-0.3	-4.0	20
25	22.7	20.2	14.7	57	1.2	6.0	-0.4	-4.0	25
30	22.7	20.2	14.8	57	1.2	2.0	-0.1	-4.0	30
35	22.7	20.2	14.8	57	1.2	2.0	-0.2	-8.0	35
40	22.7	20.2	14.9	57	1.2	6.0	-0.1	-8.0	40
45	22.6	20.2	14.9	57	1.2	12.0	-0.1	-12.0	45
50	22.7	20.2	15.2	57	1.2	6.0	-0.3	-6.0	50
55	22.7	20.2	15.4	57	1.2	18.0	0.6	-4.0	55
60	22.7	20.1	15.9	57	1.4	52.0	2.6	-10.0	60
65	22.7	20.0	15.1	56	1.6	46.0	1.3	-16.0	65
70	22.7	19.9	14.2	56	1.7	34.0	1.7	-2.0	70
75	22.7	19.9	14.0	56	1.8	14.0	1.1	-4.0	75
80	22.7	19.8	13.6	56	1.8	26.0	1.4	-6.0	80
85	22.7	19.7	13.4	56	1.8	36.0	1.6	-26.0	85
90	22.7	19.6	13.1	56	2.0	66.0	3.0	-48.0	90
95	22.7	19.2	12.8	56	2.1	54.0	6.4	-10.0	95
100	22.3	19.0	12.8	56	2.2	44.0	4.9	-18.0	100
125	21.4	17.4	10.3	56	2.5	26.8	6.3	-7.6	125
150	21.4	16.5	11.0	50	2.2	31.2	4.4	-3.6	150
175	19.7	15.8	11.7	50	2.0	10.4	2.9	-5.2	175
200	18.3	15.3	11.2	48	2.1	12.4	2.3	-4.0	200
225	17.5	14.4	10.1	40	2.1	7.2	2.3	-5.2	225
250	17.1	14.2	10.5	14	2.4	5.6	2.5	-1.6	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3A MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	22.8	19.9	12.3	48	2.6	0.0	0.0	0.0	0
5	22.8	19.9	12.3	48	2.6	2.0	-0.9	-10.0	5
10	22.8	19.9	12.3	48	2.6	2.0	-0.1	-4.0	10
15	22.9	19.9	12.3	48	2.6	16.0	0.0	-10.0	15
20	22.9	19.8	12.3	48	2.4	28.0	1.9	-16.0	20
25	22.9	19.7	13.0	48	2.2	28.0	1.5	-56.0	25
30	22.9	19.7	15.2	48	2.0	32.0	0.8	-68.0	30
35	23.0	19.6	15.2	48	2.0	28.0	2.1	-2.0	35
40	23.0	19.5	15.2	48	1.9	26.0	2.1	-4.0	40
45	23.0	19.4	15.2	48	1.9	22.0	1.9	-6.0	45
50	23.0	19.3	15.2	48	1.8	36.0	1.7	-2.0	50
55	23.0	19.2	15.2	48	1.8	18.0	1.7	-6.0	55
60	22.9	19.2	15.2	48	1.8	10.0	0.8	-18.0	60
65	22.6	19.1	15.2	47	1.7	12.0	1.4	-14.0	65
70	22.6	19.0	15.2	46	1.7	10.0	1.0	-20.0	70
75	22.6	19.0	15.2	46	1.7	10.0	0.5	-10.0	75
80	22.6	19.0	15.2	46	1.7	6.0	0.2	-12.0	80
85	22.6	19.0	15.2	46	1.7	6.0	-0.3	-18.0	85
90	22.6	19.0	15.2	45	1.6	34.0	0.9	-22.0	90
95	22.5	18.8	15.0	45	1.6	16.0	2.6	-2.0	95
100	22.2	18.7	15.3	45	1.6	28.0	2.7	-12.0	100
125	21.9	18.1	13.5	45	1.9	10.8	2.2	-8.8	125
150	21.1	17.3	14.0	43	1.9	5.2	3.1	-4.0	150
175	20.4	16.8	13.7	43	2.0	6.8	1.8	-3.2	175
200	20.0	16.1	12.6	41	2.2	8.4	2.8	-2.8	200
225	19.7	16.1	12.2	31	2.3	10.4	2.7	0.0	225
250	17.9	15.1	12.7	10	1.8	4.8	2.4	0.4	250
275	15.6	15.6	15.6	1	0.0	4.4	4.4	4.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

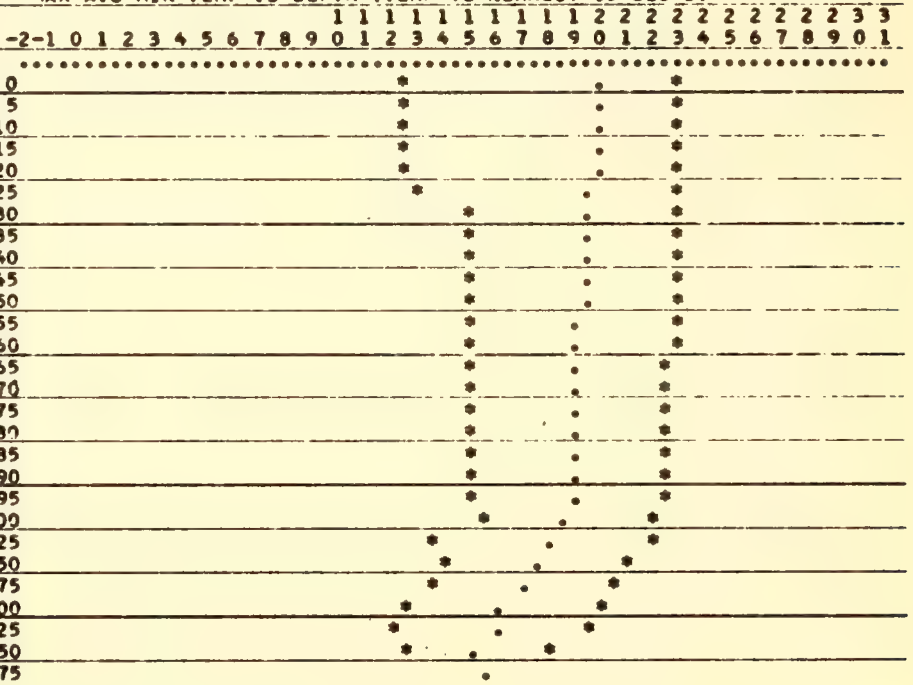
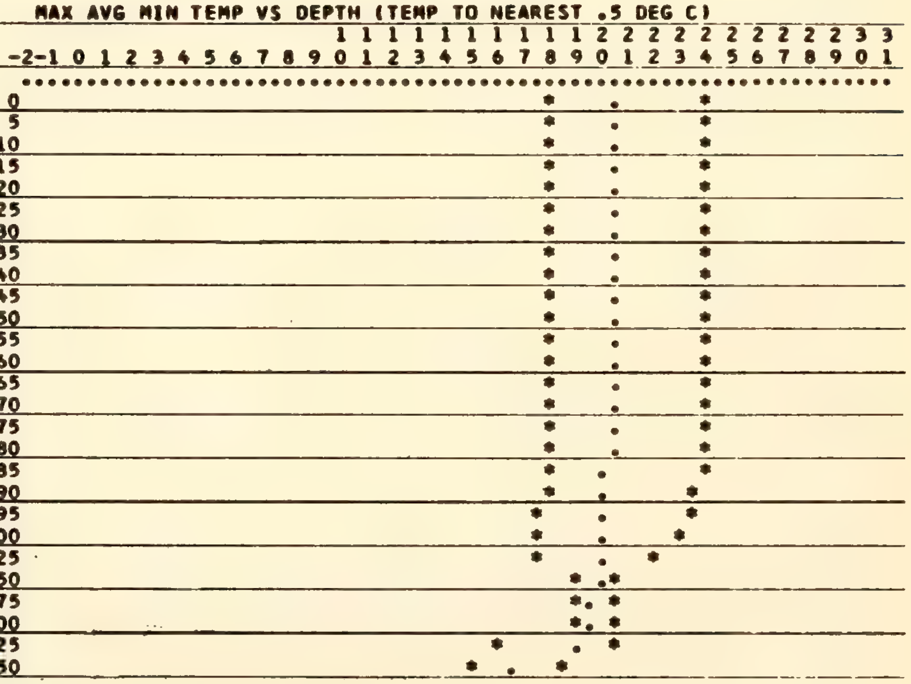


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 38 MONTH 1

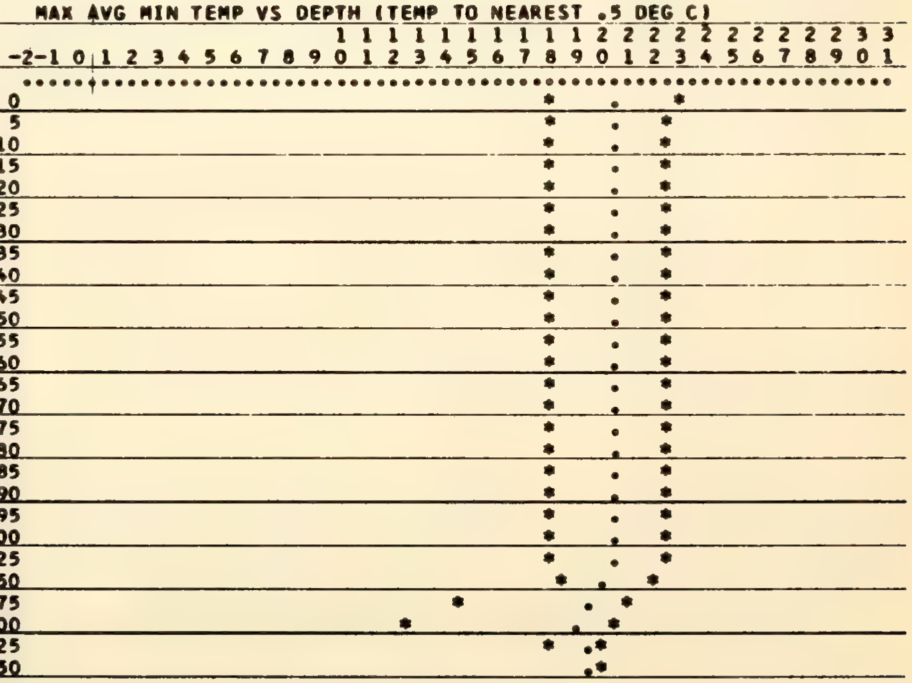
DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	2SDEV	MAX	AVG	MIN	
0	23.8	20.6	17.9	25	2.8	0.0	0.0	0.0	0
5	23.8	20.6	17.9	25	2.8	0.0	-0.1	-2.0	5
10	23.8	20.6	17.9	25	2.6	2.0	-0.1	-2.0	10
15	23.8	20.6	17.9	25	2.6	2.0	0.0	-2.0	15
20	23.8	20.6	17.9	25	2.6	2.0	0.2	0.0	20
25	23.8	20.6	17.9	25	2.6	2.0	0.2	0.0	25
30	23.8	20.6	17.9	25	2.6	6.0	0.4	-2.0	30
35	23.8	20.5	17.9	25	2.8	6.0	0.6	0.0	35
40	23.8	20.5	17.9	25	2.8	2.0	0.1	0.0	40
45	23.8	20.5	17.9	25	2.8	10.0	0.9	-2.0	45
50	23.8	20.5	17.9	25	2.8	4.0	0.4	0.0	50
55	23.8	20.5	17.9	25	2.8	2.0	0.3	0.0	55
60	23.8	20.4	17.9	25	2.8	2.0	0.4	0.0	60
65	23.8	20.4	18.0	25	2.6	6.0	0.5	-2.0	65
70	23.8	20.4	18.0	25	2.6	10.0	0.9	0.0	70
75	23.8	20.3	17.9	25	2.6	6.0	0.9	-2.0	75
80	23.8	20.3	17.9	25	2.6	8.0	1.0	0.0	80
85	23.8	20.2	17.8	25	2.4	6.0	1.3	0.0	85
90	23.7	20.2	17.8	25	2.4	4.0	0.6	0.0	90
95	23.4	20.1	17.7	25	2.4	6.0	1.0	0.0	95
100	23.1	20.1	17.7	25	2.2	6.0	0.4	-6.0	100
125	21.8	19.9	17.4	23	1.8	6.0	1.0	0.0	125
150	20.5	19.8	19.1	14	0.8	2.0	0.5	0.0	150
175	20.5	19.6	18.9	13	1.0	3.2	0.7	0.0	175
200	20.4	19.4	18.8	13	0.8	2.0	0.9	0.0	200
225	20.4	18.9	16.2	10	2.0	11.6	2.2	0.0	225
250	18.5	16.7	15.0	2	4.8	4.8	2.6	0.4	250


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 38 MONTH 2

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	22.8	20.6	18.0	30	1.4	0.0	0.0	0.0	0
5	22.7	20.6	18.0	30	1.4	2.0	-0.1	-2.0	5
10	22.7	20.6	18.0	30	1.4	2.0	-0.1	-2.0	10
15	22.7	20.6	18.0	30	1.5	2.0	-0.2	-6.0	15
20	22.7	20.6	17.9	30	1.5	2.0	0.0	-2.0	20
25	22.7	20.6	17.9	30	1.5	6.0	0.2	0.0	25
30	22.7	20.6	17.9	30	1.5	2.0	0.1	-2.0	30
35	22.7	20.6	17.9	30	1.5	2.0	0.1	0.0	35
40	22.7	20.6	17.9	30	1.5	2.0	-0.1	-2.0	40
45	22.7	20.6	17.9	30	1.5	2.0	-0.1	-2.0	45
50	22.7	20.6	17.9	30	1.5	2.0	0.1	0.0	50
55	22.7	20.6	17.9	30	1.5	2.0	0.2	0.0	55
60	22.7	20.6	17.9	30	1.5	2.0	0.0	-2.0	60
65	22.7	20.6	17.9	30	1.5	8.0	0.3	-2.0	65
70	22.7	20.5	17.9	30	1.5	10.0	0.6	0.0	70
75	22.7	20.5	17.9	30	1.5	10.0	0.8	0.0	75
80	22.7	20.5	17.9	30	1.5	6.0	0.5	0.0	80
85	22.7	20.4	17.9	30	1.5	4.0	0.5	-2.0	85
90	22.7	20.4	17.9	30	1.5	2.0	0.3	-2.0	90
95	22.7	20.4	17.9	30	1.5	4.0	0.4	-2.0	95
100	22.7	20.4	17.9	30	1.5	6.0	0.8	0.0	100
125	22.5	20.3	18.2	28	1.4	7.2	0.9	-0.4	125
150	22.0	20.2	18.6	23	1.0	7.6	1.5	0.0	150
175	20.9	19.6	14.4	23	1.2	16.8	2.7	0.0	175
200	20.3	19.0	12.3	22	1.9	16.8	2.3	0.0	200
225	19.8	19.5	17.8	12	0.5	4.4	0.8	-0.4	225
250	19.8	19.7	19.7	3	0.0	0.0	0.0	0.0	250

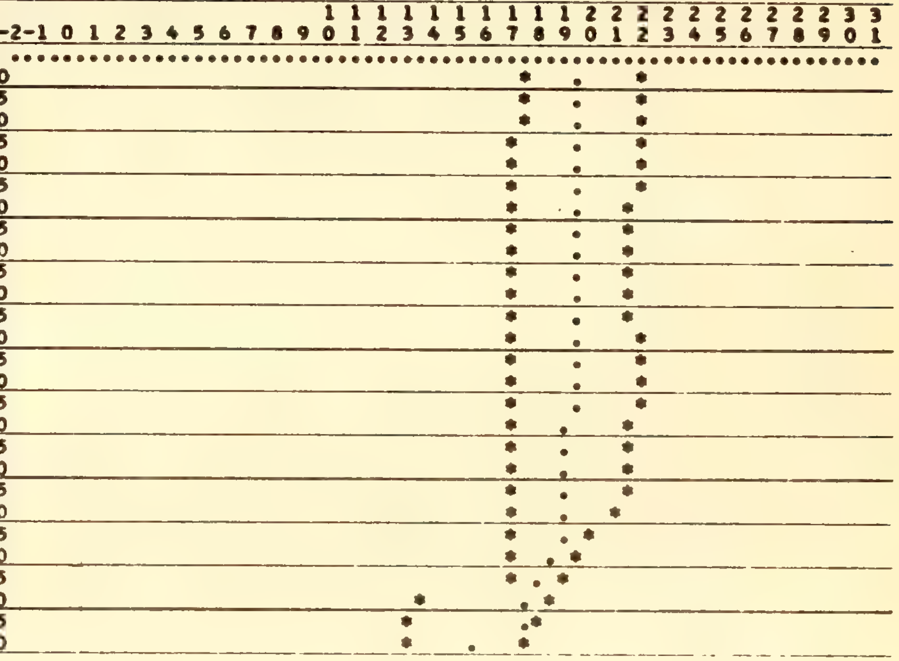

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3B MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	22.0	19.5	17.3	21	1.5	0.0	0.0	0.0	0
5	22.0	19.5	17.3	21	1.5	0.0	-0.5	-2.0	5
10	21.9	19.5	17.3	21	1.5	2.0	0.0	-2.0	10
15	21.8	19.5	17.2	21	1.5	2.0	-0.1	-4.0	15
20	21.8	19.5	17.2	21	1.5	2.0	0.1	0.0	20
25	21.8	19.5	17.2	21	1.4	6.0	0.3	-2.0	25
30	21.7	19.5	17.2	21	1.4	6.0	0.5	0.0	30
35	21.7	19.5	17.2	21	1.4	4.0	0.3	0.0	35
40	21.7	19.5	17.2	21	1.4	2.0	0.1	-2.0	40
45	21.7	19.5	17.1	21	1.4	2.0	0.2	0.0	45
50	21.7	19.5	17.1	21	1.4	4.0	0.4	0.0	50
55	21.7	19.4	17.1	21	1.4	2.0	0.2	-2.0	55
60	21.8	19.4	17.1	21	1.4	6.0	0.6	-2.0	60
65	21.8	19.4	17.1	21	1.3	14.0	1.3	0.0	65
70	21.8	19.3	17.1	21	1.3	12.0	0.7	-2.0	70
75	21.8	19.3	17.1	21	1.3	10.0	1.0	0.0	75
80	21.7	19.2	17.1	21	1.2	6.0	0.7	-2.0	80
85	21.5	19.2	17.1	21	1.2	10.0	1.4	-2.0	85
90	21.4	19.1	17.1	21	1.2	14.0	1.7	-2.0	90
95	21.3	18.9	17.1	21	1.2	26.0	2.9	0.0	95
100	21.2	18.9	16.8	21	1.2	6.0	1.3	-2.0	100
125	20.0	18.8	17.1	19	0.8	5.6	1.2	-5.6	125
150	19.6	18.6	17.0	13	0.7	2.4	1.2	0.0	150
175	19.0	18.2	17.0	13	0.5	4.8	1.5	0.0	175
200	18.6	17.6	13.3	12	1.4	20.4	2.3	-0.4	200
225	18.2	17.3	13.2	8	1.6	1.6	0.7	0.0	225
250	17.6	15.3	13.1	3	2.2	10.4	3.7	0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 3B MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.9	18.4	13.5	26	2.1	0.0	0.0	0.0	0
5	21.9	18.4	13.5	26	2.1	2.0	-0.2	-2.0	5
10	21.9	18.4	13.5	26	2.1	2.0	0.1	-2.0	10
15	21.9	18.4	13.5	26	2.1	2.0	0.2	-2.0	15
20	21.9	18.4	13.5	26	2.1	6.0	0.3	-2.0	20
25	21.9	18.3	13.6	26	2.2	30.0	1.1	-2.0	25
30	21.8	18.3	12.8	26	2.3	20.0	1.3	-2.0	30
35	21.8	18.2	12.6	26	2.3	20.0	1.0	-2.0	35
40	21.8	18.2	13.5	26	2.3	22.0	0.4	-18.0	40
45	21.7	18.2	13.7	26	2.3	10.0	0.5	-4.0	45
50	21.7	18.1	13.7	26	2.3	16.0	1.2	-2.0	50
55	21.7	18.0	13.3	26	2.4	18.0	1.8	-2.0	55
60	21.6	18.0	13.2	26	2.4	14.0	1.3	-2.0	60
65	21.6	17.9	13.2	26	2.3	14.0	1.0	-2.0	65
70	21.6	17.9	13.1	26	2.3	16.0	1.2	-2.0	70
75	21.6	17.8	13.0	26	2.3	8.0	1.1	-2.0	75
80	21.6	17.8	13.2	26	2.3	4.0	0.6	-4.0	80
85	21.6	17.8	13.3	26	2.2	4.0	0.5	-2.0	85
90	21.6	17.7	13.4	26	2.2	8.0	1.0	-8.0	90
95	21.6	17.7	13.4	26	2.2	4.0	0.5	-2.0	95
100	21.6	17.6	13.4	26	2.2	6.0	1.2	0.0	100
125	19.0	17.1	12.2	25	2.3	6.0	1.2	-1.6	125
150	18.9	16.8	11.4	25	2.7	6.8	1.2	0.0	150
175	18.9	16.7	11.1	25	2.7	3.6	0.4	-2.4	175
200	18.9	16.5	10.2	24	2.9	6.0	0.9	-0.4	200
225	18.9	16.3	8.7	23	3.3	6.0	0.7	-0.4	225
250	18.9	15.6	9.3	13	3.8	3.6	0.2	-4.4	250
275	9.8	9.4	9.0	3	0.4	2.8	1.3	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

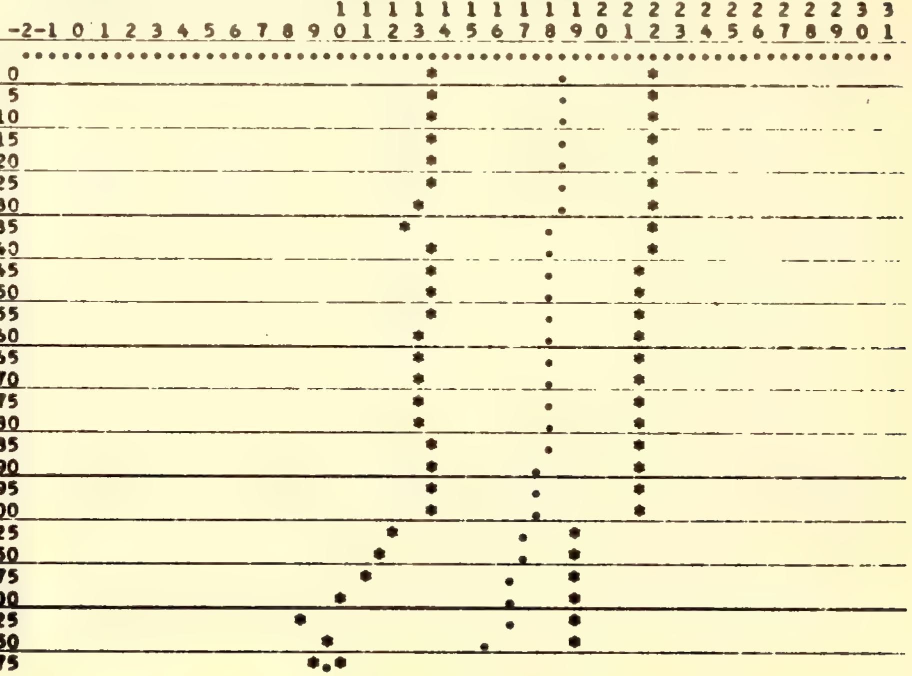


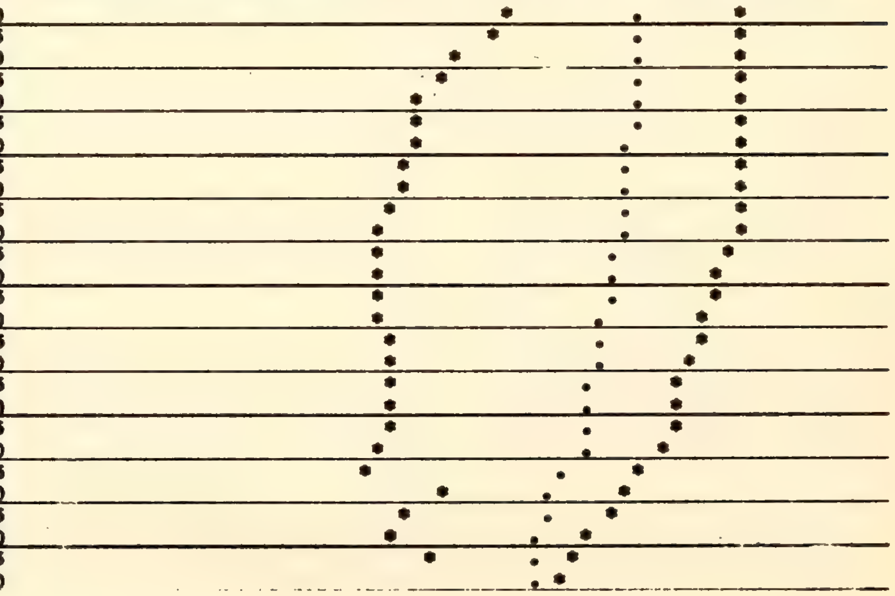
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 38 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.1	22.0	17.0	81	1.6	0.0	0.0	0.0	0
5	26.0	22.0	16.4	81	1.6	12.0	0.4	-2.0	5
10	26.0	22.0	15.1	81	1.7	26.0	0.8	-2.0	10
15	26.0	21.9	14.3	81	1.7	16.0	1.0	-2.0	15
20	26.0	21.9	13.6	81	1.8	20.0	1.4	-2.0	20
25	26.0	21.8	13.4	81	1.8	10.0	1.1	-4.0	25
30	26.0	21.7	13.3	81	1.8	12.0	1.4	-10.0	30
35	26.0	21.7	13.2	81	1.9	20.0	1.5	-4.0	35
40	26.0	21.6	12.9	81	1.9	14.0	1.9	0.0	40
45	26.0	21.4	12.4	81	2.0	18.0	2.7	0.0	45
50	25.9	21.3	12.1	81	2.0	14.0	2.7	0.0	50
55	25.6	21.2	12.0	81	2.0	18.0	2.7	0.0	55
60	25.1	21.0	12.0	81	2.0	12.0	2.9	-2.0	60
65	24.9	20.9	12.0	81	1.9	14.0	2.6	0.0	65
70	24.5	20.7	12.1	81	1.9	20.0	3.1	-2.0	70
75	24.4	20.6	12.3	81	1.9	12.0	2.7	-4.0	75
80	23.8	20.4	12.3	80	1.8	12.0	3.1	0.0	80
85	23.7	20.2	12.3	77	1.8	16.0	3.7	0.0	85
90	23.5	20.0	12.3	76	1.7	14.0	3.2	0.0	90
95	23.4	19.9	12.3	75	1.7	18.0	2.8	-2.0	95
100	23.2	19.8	12.2	75	1.6	10.0	2.7	-4.0	100
125	22.2	19.2	11.3	68	1.5	8.0	2.1	-0.4	125
150	21.3	18.7	14.4	50	1.0	8.8	1.5	0.0	150
175	20.8	18.4	13.2	49	1.1	4.8	1.1	0.0	175
200	20.1	18.2	12.7	45	1.1	3.2	0.8	-0.4	200
225	19.6	18.2	14.2	34	0.8	2.4	0.7	-0.4	225
250	19.1	18.2	17.9	18	0.3	2.8	0.6	0.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 38 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.1	23.5	18.2	68	1.7	0.0	0.0	0.0	0
5	26.1	23.4	18.2	68	1.7	4.0	0.4	-12.0	5
10	26.1	23.4	18.2	68	1.7	10.0	0.5	-12.0	10
15	26.1	23.3	18.3	68	1.7	14.0	2.0	-4.0	15
20	26.1	23.3	19.5	68	1.7	10.0	1.1	-24.0	20
25	26.0	23.2	20.2	68	1.8	14.0	1.4	-26.0	25
30	26.0	23.1	20.0	68	1.8	14.0	1.7	-20.0	30
35	26.0	23.0	19.1	68	2.0	26.0	2.6	-10.0	35
40	26.0	22.8	19.0	68	2.1	36.0	3.7	-8.0	40
45	26.0	22.5	17.2	68	2.2	42.0	6.2	-2.0	45
50	26.0	22.1	15.6	68	2.3	42.0	7.2	0.0	50
55	25.9	21.7	14.8	68	2.4	76.0	9.6	0.0	55
60	25.0	21.3	14.1	68	2.4	46.0	7.5	-8.0	60
65	24.7	20.9	12.3	68	2.5	36.0	7.3	-6.0	65
70	24.1	20.6	12.2	68	2.4	44.0	6.7	-2.0	70
75	23.8	20.2	9.9	68	2.5	82.0	7.3	0.0	75
80	23.5	19.9	9.3	68	2.7	76.0	5.9	-2.0	80
85	23.2	19.7	8.6	68	2.7	44.0	5.2	0.0	85
90	23.0	19.4	8.3	68	2.8	46.0	5.6	0.0	90
95	22.7	19.1	7.9	68	2.8	54.0	5.8	-2.0	95
100	22.5	18.8	6.3	68	3.0	76.0	6.3	-2.0	100
125	21.0	18.0	10.1	67	2.8	18.4	2.9	-20.0	125
150	19.9	17.6	10.8	66	2.5	19.2	1.7	-15.2	150
175	19.2	17.1	9.3	66	2.7	8.8	2.1	-5.6	175
200	18.9	16.8	10.3	65	2.4	4.4	1.2	-10.0	200
225	18.5	16.3	10.1	57	2.6	8.0	1.2	-1.6	225
250	18.3	16.6	9.2	23	2.6	6.8	0.9	-4.0	250
275	10.6	10.6	10.6	1	0.0	2.8	2.8	2.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

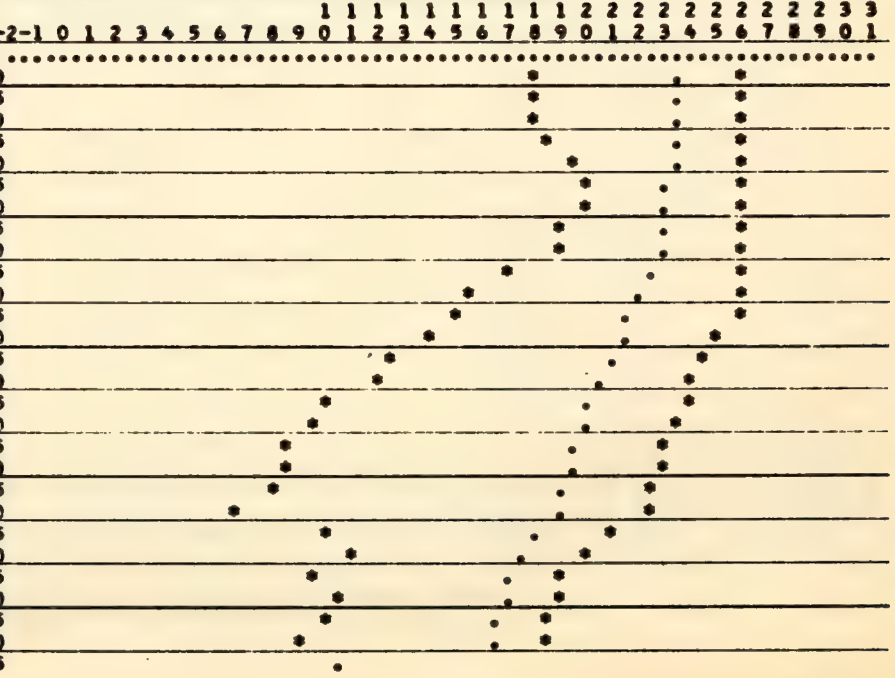
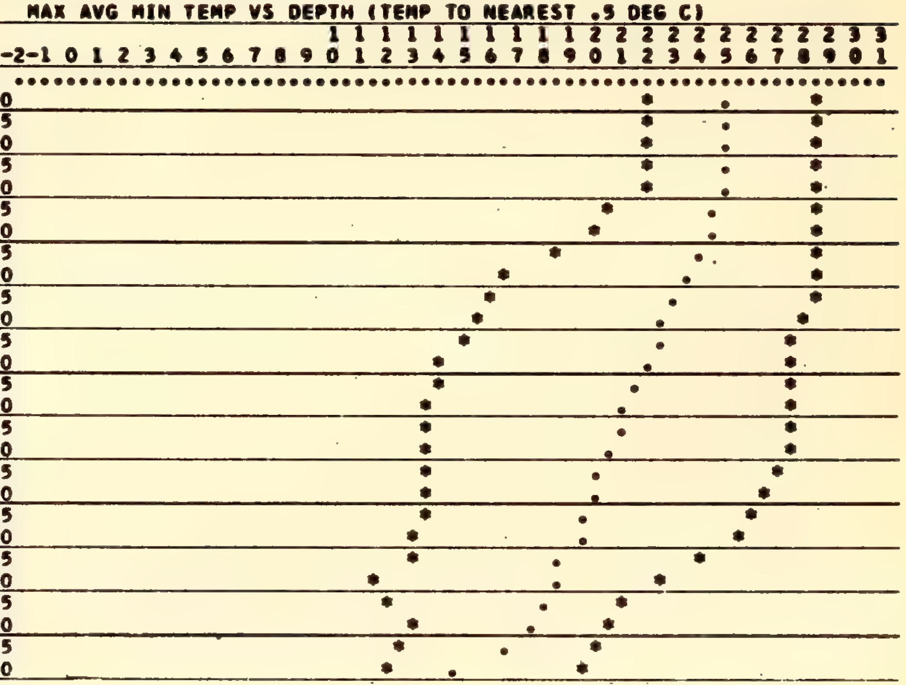


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 38   MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	28.6	25.2	22.0	54	1.5	0.0	0.0	0.0	0
5	28.6	25.2	22.0	54	1.5	16.0	0.7	-16.0	5
10	28.6	25.2	22.0	54	1.5	10.0	0.2	-32.0	10
15	28.6	25.1	22.0	54	1.5	18.0	1.0	-10.0	15
20	28.6	24.9	22.0	54	1.6	36.0	3.6	-16.0	20
25	28.5	24.7	20.3	54	1.8	48.0	5.4	-12.0	25
30	28.4	24.3	20.0	54	2.0	26.0	6.7	-4.0	30
35	28.4	24.0	18.6	54	2.2	28.0	7.0	-6.0	35
40	28.4	23.6	16.7	54	2.4	38.0	8.7	-2.0	40
45	28.3	23.1	16.0	54	2.5	36.0	9.4	0.0	45
50	27.9	22.6	15.4	54	2.6	74.0	8.9	-32.0	50
55	27.7	22.3	14.8	53	2.6	28.0	6.4	-60.0	55
60	27.6	21.9	14.2	53	2.9	84.0	7.3	-6.0	60
65	27.6	21.5	13.8	53	3.0	38.0	7.5	-2.0	65
70	27.6	21.1	13.6	53	3.0	32.0	8.0	-12.0	70
75	27.5	20.8	13.5	53	2.9	48.0	7.3	-46.0	75
80	27.3	20.4	13.4	51	3.1	62.0	6.8	-6.0	80
85	26.8	20.2	13.4	51	3.0	18.0	5.1	-14.0	85
90	26.3	20.0	13.3	50	2.9	50.0	4.4	-72.0	90
95	25.9	19.7	13.3	49	2.9	28.0	5.8	0.0	95
100	25.7	19.5	13.2	49	2.9	18.0	4.0	-2.0	100
125	24.2	18.5	13.1	41	2.7	12.8	3.5	-2.8	125
150	22.5	18.5	11.7	25	2.3	7.2	2.0	-4.8	150
175	21.2	18.0	12.1	23	2.1	5.2	1.2	-1.6	175
200	20.3	17.6	13.0	20	2.0	4.4	1.3	-3.6	200
225	20.0	16.4	12.7	11	2.6	4.0	2.2	0.8	225
250	19.6	14.5	12.2	8	2.2	8.0	3.3	0.8	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 38   MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	28.2	27.2	25.7	13	0.7	0.0	0.0	0.0	0
5	28.2	27.2	25.6	13	0.7	2.0	0.8	-2.0	5
10	28.2	27.1	25.6	13	0.7	2.0	0.3	0.0	10
15	28.2	27.1	25.6	13	0.7	2.0	0.5	0.0	15
20	28.1	27.1	25.5	13	0.7	2.0	C.8	0.0	20
25	27.8	27.0	25.5	13	0.7	6.0	0.8	0.0	25
30	27.8	26.9	25.4	13	0.7	2C.0	3.1	0.0	30
35	27.8	26.6	25.0	13	0.8	18.0	5.5	-2.0	35
40	27.6	26.2	24.1	13	1.0	22.0	8.9	0.0	40
45	27.2	25.5	22.6	13	1.2	30.0	12.5	0.0	45
50	27.2	24.9	21.5	13	1.4	32.0	12.5	0.0	50
55	27.2	24.2	19.6	13	1.8	46.0	15.1	0.0	55
60	26.9	23.7	19.0	13	1.9	16.0	9.5	6.0	60
65	26.5	23.2	18.5	13	1.9	24.0	9.7	0.0	65
70	26.2	22.8	17.5	13	2.0	20.0	8.2	2.0	70
75	25.9	22.3	16.0	13	2.3	30.0	1C.0	4.0	75
80	25.6	22.0	15.4	13	2.3	12.0	6.6	2.0	80
85	25.2	21.6	14.8	13	2.4	16.0	7.4	4.0	85
90	25.1	21.3	14.3	13	2.4	12.0	6.9	2.0	90
95	24.7	21.0	13.9	13	2.4	10.0	6.0	0.0	95
100	24.4	20.6	14.1	13	2.4	14.0	6.5	-4.0	100
125	22.8	19.8	16.2	12	1.4	6.8	5.6	3.6	125
150	19.5	19.2	19.2	9	0.0	4.8	2.9	2.0	150
175	18.9	18.7	18.6	8	0.0	2.4	1.8	1.6	175
200	18.7	18.4	18.2	8	0.1	2.0	1.4	0.8	200
225	18.4	18.2	18.0	8	0.1	1.2	0.6	0.0	225
250	18.3	18.1	17.9	7	0.1	0.8	0.5	0.4	250

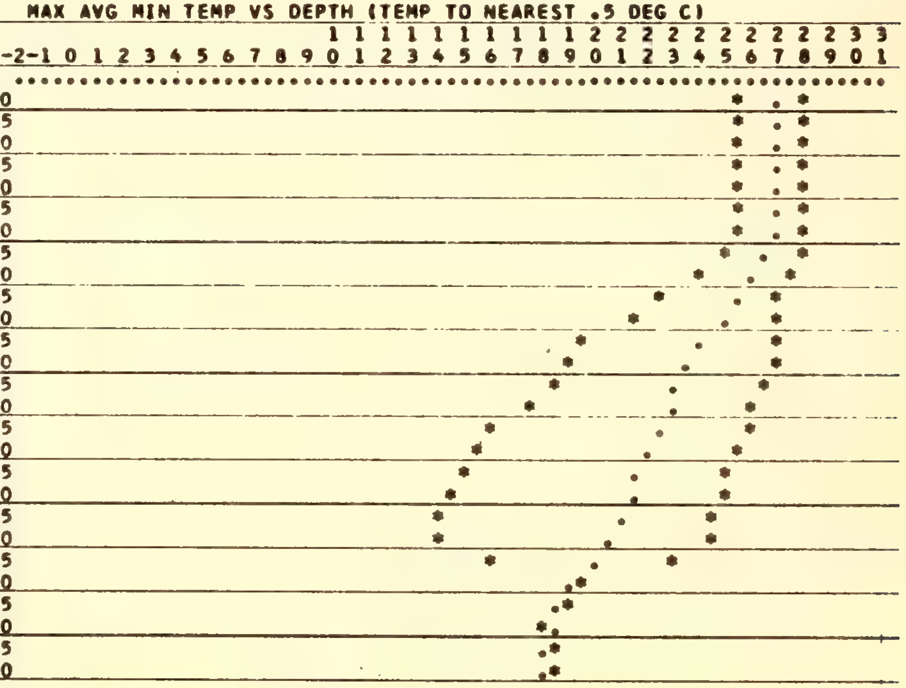
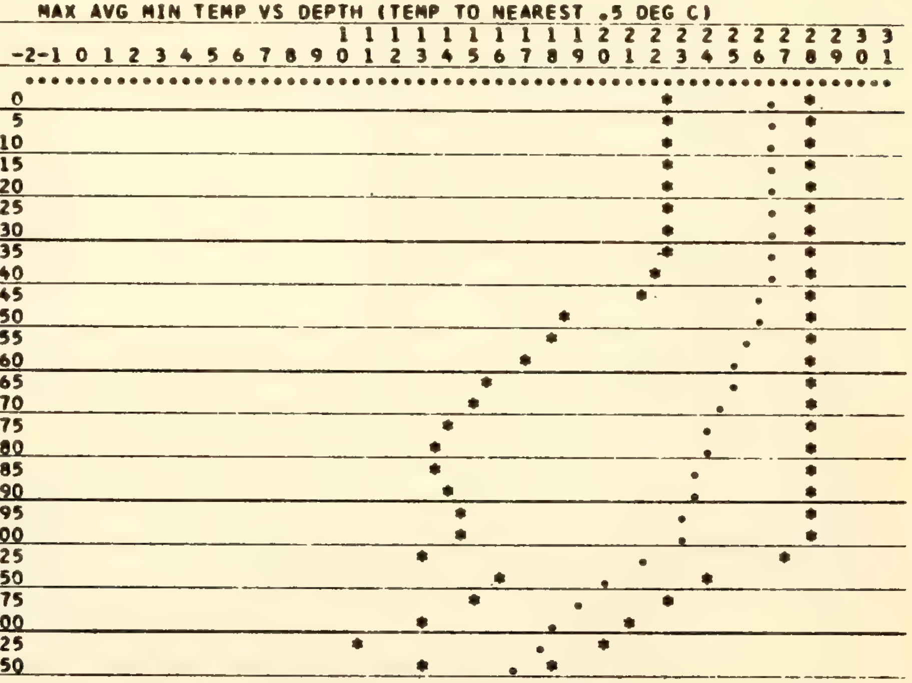


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 38 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.2	26.6	22.4	40	1.0	0.0	0.0	0.0	0
5	28.1	26.6	22.4	40	1.0	4.0	-0.3	-12.0	5
10	28.0	26.6	22.4	40	1.0	6.0	0.3	-4.0	10
15	28.0	26.5	22.4	40	1.0	58.0	2.0	-6.0	15
20	28.0	26.4	22.4	40	1.1	14.0	1.0	0.0	20
25	28.0	26.4	22.4	40	1.1	8.0	0.1	-12.0	25
30	28.0	26.4	22.4	40	1.1	12.0	0.6	-2.0	30
35	28.0	26.4	22.4	40	1.0	4.0	0.1	-22.0	35
40	28.0	26.3	21.9	40	1.1	10.0	1.3	-8.0	40
45	28.0	26.2	21.3	40	1.2	16.0	2.7	-8.0	45
50	28.0	25.9	18.5	40	1.5	56.0	5.9	-12.0	50
55	28.0	25.6	18.1	40	1.7	32.0	6.7	-6.0	55
60	28.0	25.2	16.9	40	1.9	30.0	6.8	-2.0	60
65	28.0	24.8	15.7	40	2.2	26.0	7.6	0.0	65
70	28.0	24.5	14.9	40	2.4	26.0	6.9	-12.0	70
75	28.0	24.2	14.2	40	2.6	20.0	5.9	-26.0	75
80	28.0	23.9	13.6	40	2.7	20.0	5.4	-8.0	80
85	28.0	23.6	13.7	40	2.8	26.0	5.6	-2.0	85
90	28.0	23.3	13.8	40	2.8	18.0	6.5	-2.0	90
95	28.0	23.1	14.6	39	2.8	16.0	5.6	-16.0	95
100	28.0	22.9	14.6	39	2.8	12.0	4.7	-8.0	100
125	26.8	21.4	12.9	38	2.8	12.8	6.3	0.4	125
150	24.0	20.2	16.0	35	1.8	22.0	6.5	1.6	150
175	22.3	18.9	15.2	35	1.5	24.8	5.3	1.6	175
200	21.0	18.0	12.8	30	2.0	20.0	3.5	-0.8	200
225	19.9	17.3	10.5	26	2.2	9.2	2.5	-0.8	225
250	18.2	16.6	12.9	11	2.2	4.0	0.1	-11.6	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 38 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.9	24.6	21.4	51	1.4	0.0	0.0	0.0	0
5	26.9	24.5	20.9	51	1.5	10.0	0.4	-4.0	5
10	26.9	24.6	20.9	51	1.5	14.0	-0.8	-26.0	10
15	26.9	24.6	21.0	51	1.5	14.0	-0.9	-30.0	15
20	26.9	24.6	20.9	51	1.6	28.0	0.0	-18.0	20
25	26.8	24.6	20.6	51	1.7	26.0	0.9	-6.0	25
30	26.8	24.5	20.2	51	1.7	26.0	1.1	-4.0	30
35	26.8	24.5	20.3	51	1.6	18.0	0.6	-6.0	35
40	26.8	24.4	20.4	51	1.6	30.0	1.1	-10.0	40
45	26.8	24.3	20.0	51	1.7	54.0	2.5	-6.0	45
50	26.8	24.2	18.0	51	1.9	40.0	2.2	-6.0	50
55	26.7	24.1	16.8	51	1.9	36.0	2.7	-26.0	55
60	26.7	23.8	15.7	51	2.2	44.0	5.6	-4.0	60
65	26.5	23.4	15.0	51	2.4	40.0	7.2	-6.0	65
70	26.4	23.1	14.6	51	2.5	42.0	7.2	-16.0	70
75	26.3	22.6	14.4	51	2.6	48.0	8.7	-30.0	75
80	26.3	22.2	14.3	51	2.7	52.0	8.4	-10.0	80
85	26.2	21.7	13.8	51	3.0	84.0	9.5	-22.0	85
90	26.1	21.3	13.9	51	3.0	40.0	8.8	-30.0	90
95	26.1	20.9	13.7	51	3.0	34.0	7.8	-26.0	95
100	25.9	20.3	13.0	51	3.1	58.0	12.4	-8.0	100
125	23.4	17.6	12.9	49	3.1	30.8	10.9	-10.8	125
150	21.3	16.1	12.0	47	2.6	28.8	5.3	-10.0	150
175	19.4	15.2	11.9	46	2.2	23.2	3.4	-3.6	175
200	18.8	14.8	11.2	43	2.2	8.4	1.9	-5.2	200
225	18.6	14.1	10.5	36	1.9	7.6	2.0	-3.6	225
250	17.5	13.6	10.9	16	1.9	14.8	2.7	-1.2	250

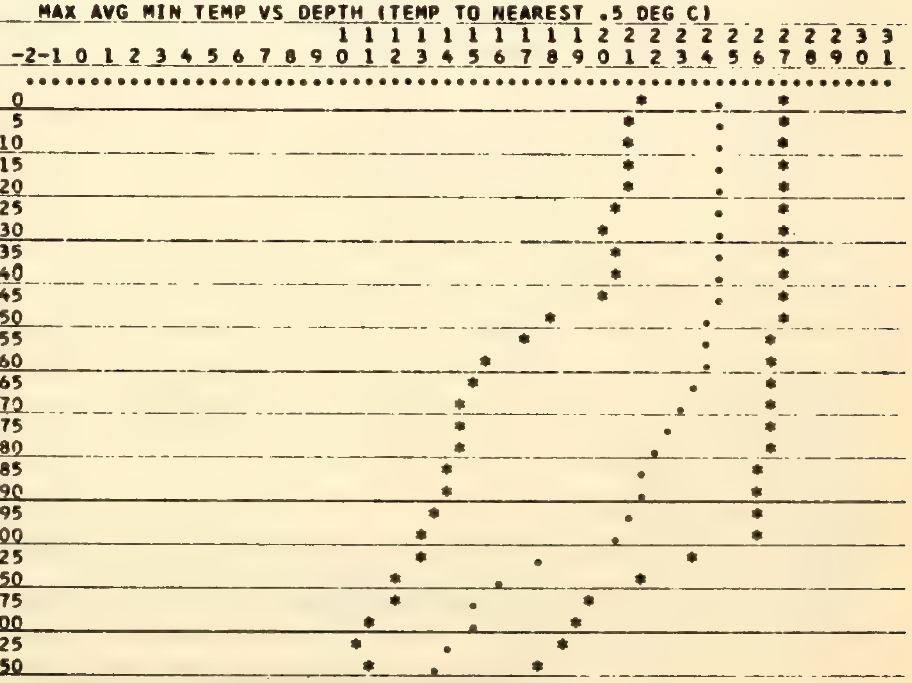


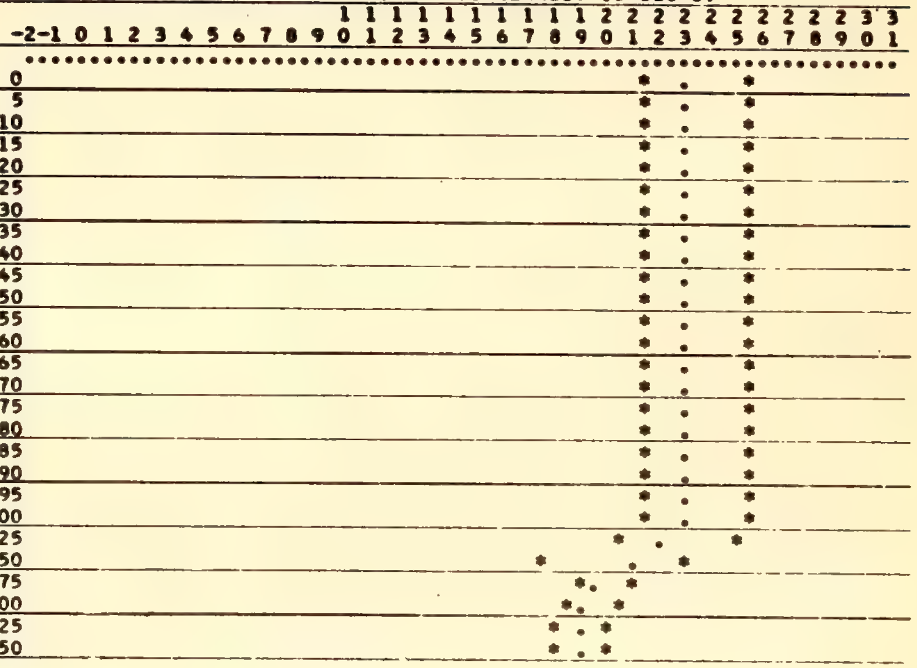
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 38 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.6	23.2	21.4	26	1.2	0.0	0.0	0.0	0
5	25.6	23.2	21.4	26	1.2	2.0	-0.1	-2.0	5
10	25.6	23.2	21.4	26	1.2	0.0	-0.1	-2.0	10
15	25.6	23.2	21.4	26	1.2	0.0	0.0	0.0	15
20	25.6	23.2	21.4	26	1.2	2.0	0.2	0.0	20
25	25.6	23.2	21.4	26	1.2	2.0	0.1	-2.0	25
30	25.6	23.2	21.3	26	1.2	2.0	0.2	-2.0	30
35	25.6	23.2	21.3	26	1.2	2.0	0.2	0.0	35
40	25.6	23.1	21.3	26	1.2	4.0	0.3	0.0	40
45	25.6	23.1	21.3	26	1.2	4.0	0.4	0.0	45
50	25.6	23.1	21.3	26	1.2	2.0	0.2	0.0	50
55	25.6	23.1	21.3	26	1.2	2.0	0.0	-2.0	55
60	25.6	23.1	21.3	26	1.2	2.0	0.2	0.0	60
65	25.5	23.1	21.3	26	1.2	4.0	0.2	0.0	65
70	25.5	23.1	21.3	26	1.2	2.0	0.2	0.0	70
75	25.5	23.1	21.3	26	1.2	2.0	0.4	-2.0	75
80	25.5	23.0	21.4	26	1.1	6.0	0.4	-2.0	80
85	25.5	23.0	21.3	26	1.1	10.0	1.2	0.0	85
90	25.4	22.9	21.3	26	1.1	8.0	1.1	0.0	90
95	25.4	22.9	21.3	26	1.1	8.0	0.8	0.0	95
100	25.4	22.8	21.3	26	1.1	12.0	1.1	0.0	100
125	24.9	22.2	20.3	24	1.1	7.6	2.6	-0.4	125
150	23.0	20.8	17.3	15	1.4	24.4	6.7	0.0	150
175	21.2	19.7	18.8	12	0.8	10.8	4.5	2.0	175
200	20.6	19.0	18.3	10	0.7	2.4	2.0	1.2	200
225	20.2	18.8	18.1	10	0.7	1.6	1.0	0.4	225
250	19.9	19.2	18.0	3	1.0	1.2	0.9	0.8	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 38 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.1	21.4	19.0	100	1.2	0.0	0.0	0.0	0
5	25.1	21.4	19.0	100	1.2	6.0	0.0	-4.0	5
10	25.1	21.4	18.9	100	1.2	4.0	-0.0	-4.0	10
15	25.1	21.4	18.9	100	1.2	12.0	0.1	-2.0	15
20	25.1	21.4	18.8	100	1.2	10.0	0.4	-4.0	20
25	25.1	21.4	18.8	100	1.2	18.0	0.7	-2.0	25
30	25.1	21.4	18.8	100	1.2	4.0	0.3	-2.0	30
35	25.1	21.3	18.8	100	1.2	10.0	0.7	-2.0	35
40	25.1	21.3	18.8	100	1.2	6.0	0.6	-2.0	40
45	25.1	21.3	18.8	100	1.2	8.0	0.4	0.0	45
50	25.1	21.2	18.8	100	1.2	8.0	0.6	-2.0	50
55	25.1	21.2	18.7	100	1.2	10.0	0.7	0.0	55
60	25.1	21.2	18.5	100	1.2	10.0	0.6	-2.0	60
65	25.1	21.1	17.9	100	1.2	22.0	1.0	-2.0	65
70	25.1	21.1	17.8	100	1.2	8.0	0.7	-2.0	70
75	25.1	21.0	17.4	100	1.3	24.0	0.9	-2.0	75
80	25.1	21.0	17.1	100	1.3	10.0	0.9	0.0	80
85	25.1	20.9	16.9	100	1.3	16.0	1.0	-2.0	85
90	25.1	20.9	16.7	100	1.4	12.0	0.8	-2.0	90
95	25.1	20.8	16.2	100	1.4	14.0	1.2	-2.0	95
100	25.1	20.8	16.0	100	1.5	22.0	1.4	0.0	100
125	24.3	20.4	15.6	100	1.5	12.8	1.4	-7.2	125
150	23.0	19.4	14.9	96	2.0	18.4	4.4	-2.8	150
175	22.3	17.9	14.1	96	2.3	18.8	6.0	-4.8	175
200	21.4	16.8	13.1	95	2.1	18.0	4.2	-3.2	200
225	19.9	15.9	12.8	82	2.0	10.0	3.0	-1.2	225
250	19.2	15.1	12.3	44	1.9	5.6	1.9	-2.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

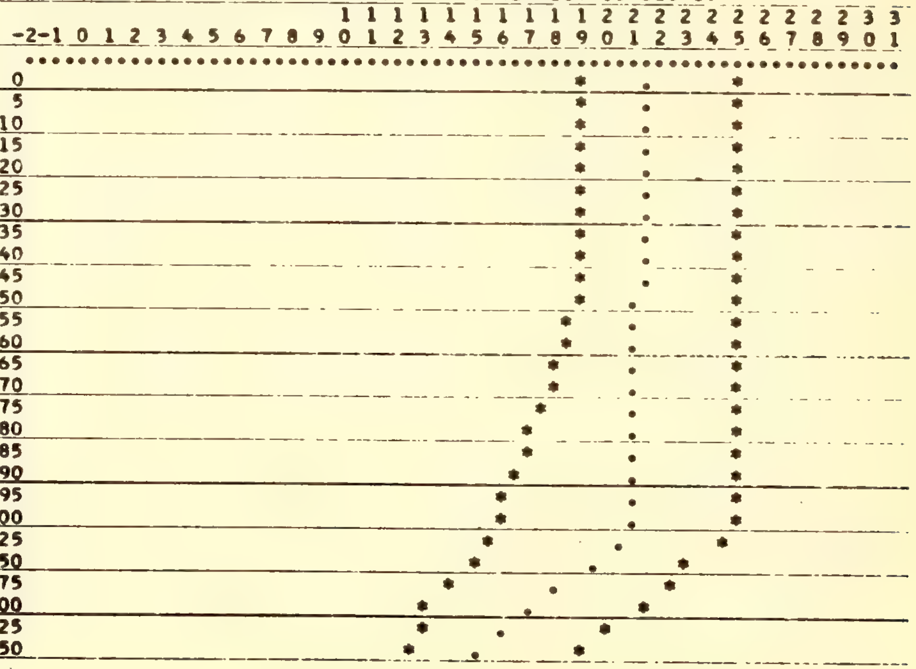


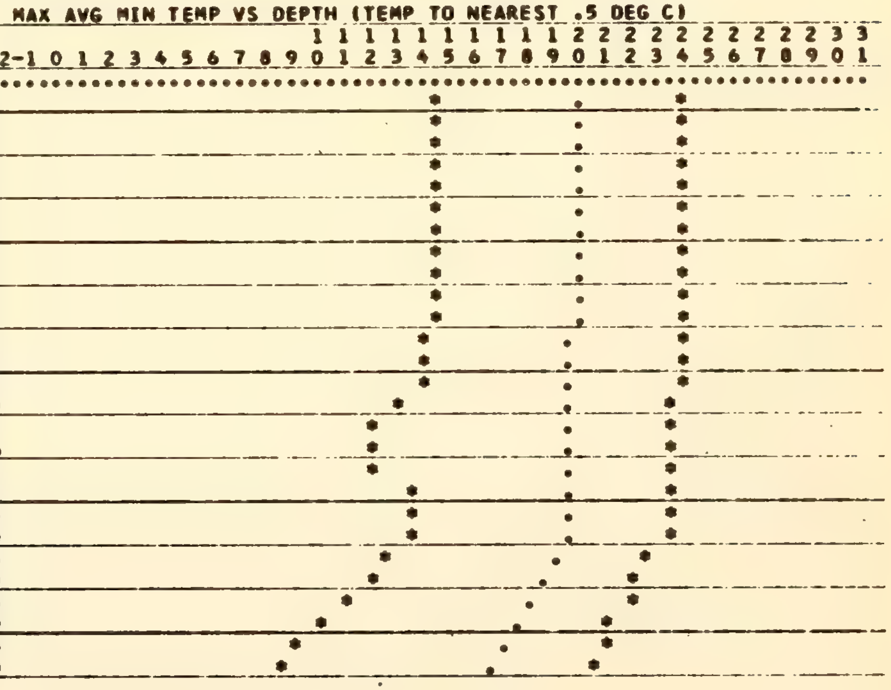
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4   MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.2	20.0	14.4	95	2.1	0.0	0.0	0.0	0
5	24.1	20.0	14.4	95	2.1	20.0	0.2	-4.0	5
10	24.1	20.0	14.4	95	2.1	18.0	0.2	-4.0	10
15	24.1	20.0	14.4	95	2.1	16.0	0.3	-2.0	15
20	24.1	19.9	14.4	95	2.1	12.0	0.4	-2.0	20
25	24.1	19.9	14.4	95	2.2	4.0	0.3	-2.0	25
30	24.1	19.9	14.4	95	2.2	12.0	0.3	-2.0	30
35	24.1	19.9	14.4	95	2.2	6.0	0.3	-2.0	35
40	24.1	19.9	14.4	95	2.2	6.0	0.2	-2.0	40
45	24.1	19.8	14.4	94	2.2	12.0	0.6	-2.0	45
50	24.1	19.8	14.4	94	2.2	20.0	0.9	-2.0	50
55	24.1	19.7	14.2	94	2.2	30.0	1.1	-2.0	55
60	24.0	19.7	13.9	94	2.3	34.0	1.3	-2.0	60
65	23.8	19.6	13.8	94	2.3	26.0	1.2	-2.0	65
70	23.7	19.6	13.0	94	2.4	20.0	0.9	-2.0	70
75	23.7	19.5	12.2	94	2.4	16.0	0.9	-2.0	75
80	23.6	19.5	11.8	93	2.4	12.0	0.6	-2.0	80
85	23.5	19.4	12.0	92	2.4	10.0	0.6	-4.0	85
90	23.5	19.4	13.6	92	2.3	10.0	0.4	-48.0	90
95	23.5	19.3	13.4	91	2.3	12.0	0.7	-22.0	95
100	23.4	19.3	13.3	91	2.3	12.0	0.7	-22.0	100
125	22.5	18.9	12.6	85	2.5	28.0	1.5	-0.8	125
150	21.9	18.5	12.0	75	2.8	10.4	1.3	-1.2	150
175	22.0	18.2	10.9	74	2.9	6.8	1.2	-14.4	175
200	21.1	17.7	10.1	66	3.3	8.0	1.6	-1.2	200
225	20.8	17.2	8.9	47	3.9	11.2	1.8	-0.4	225
250	20.7	16.7	8.3	30	4.6	4.0	1.5	-0.8	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4   MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	23.2	20.2	11.0	173	2.4	0.0	0.0	0.0	0
5	23.2	20.2	11.0	173	2.5	22.0	0.1	-4.0	5
10	23.2	20.2	11.0	173	2.5	28.0	0.2	-2.0	10
15	23.3	20.2	11.1	173	2.5	18.0	0.2	-4.0	15
20	23.3	20.1	11.1	173	2.5	18.0	0.5	-4.0	20
25	23.3	20.1	11.1	173	2.6	46.0	0.8	-14.0	25
30	23.3	20.0	11.2	173	2.7	30.0	1.5	-2.0	30
35	23.3	20.0	11.2	173	2.8	20.0	1.4	-2.0	35
40	23.3	19.9	11.0	173	2.9	46.0	1.6	-2.0	40
45	23.3	19.8	10.3	173	2.9	16.0	1.4	-2.0	45
50	23.3	19.7	10.1	173	3.0	22.0	1.8	-10.0	50
55	23.3	19.6	9.9	173	3.0	20.0	1.7	-2.0	55
60	23.3	19.5	9.5	173	3.1	18.0	1.7	-10.0	60
65	23.3	19.4	9.4	173	3.2	38.0	2.3	-12.0	65
70	23.3	19.3	9.2	173	3.2	42.0	2.3	-2.0	70
75	23.3	19.2	9.0	172	3.3	44.0	2.1	-2.0	75
80	23.3	19.1	9.1	172	3.3	28.0	1.7	-12.0	80
85	22.7	19.0	9.2	171	3.3	24.0	1.7	-18.0	85
90	22.7	18.9	9.3	170	3.3	34.0	1.8	-10.0	90
95	22.7	18.8	9.4	169	3.3	70.0	1.7	-44.0	95
100	22.7	18.7	9.5	169	3.3	28.0	2.0	-8.0	100
125	22.7	18.0	9.6	164	3.4	24.0	2.8	-10.4	125
150	22.5	17.1	9.7	150	3.5	19.2	3.4	-10.4	150
175	21.7	16.1	9.3	143	3.5	23.6	4.4	-11.2	175
200	20.8	15.1	9.3	139	3.4	32.0	3.8	-9.2	200
225	20.2	14.7	8.8	95	3.3	18.8	2.7	-18.4	225
250	18.9	14.1	9.5	40	3.0	20.4	2.6	-6.4	250
275	17.1	13.6	11.1	6	2.0	4.4	2.3	-1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

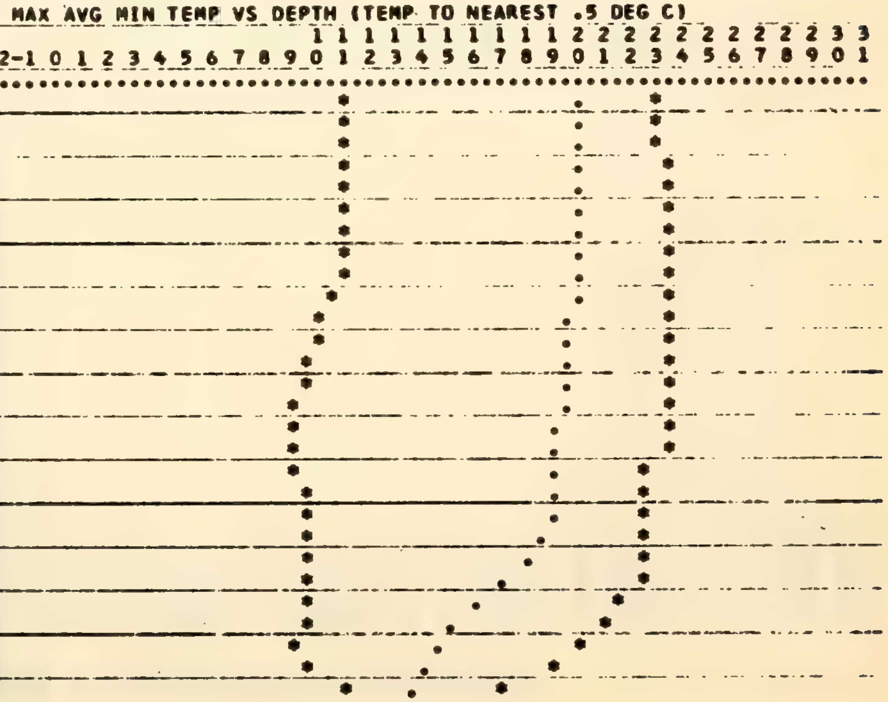


Table VI-1.—Continued

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                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4     MONTH  3
                                                                  MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                          1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                     GRADIENT                -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN   NUM  SDEV         MAX AVG    MIN         ....................................................................
     0 23.9  19.2   5.3   160   3.7        0.0   0.0    0.0    0                  *                          .         *
     5 23.7  19.2   5.3   160   3.7       14.0  -0.4  -30.0    5                  *                          .        *
    10 23.3  19.2   5.3   160   3.7       28.0   0.1  -18.0   10                  *                          .        *
    15 23.2  19.2   5.3   160   3.7       28.0   0.7  -28.0   15                  *                          .       *
    20 23.2  19.1   5.3   160   3.7       46.0   1.1  -48.0   20                  *                          .       *
    25 23.2  19.0   6.0   160   3.7       40.0   1.4  -14.0   25                   *                         .       *
    30 23.2  19.0   8.4   160   3.7       30.0   1.3  -50.0   30                        *                    .       *
    35 22.9  18.9   8.4   159   3.7       30.0   1.7  -18.0   35                        *                    .       *
    40 22.8  18.8   8.5   159   3.7       20.0   2.6   -2.0   40                        *                    .       *
    45 22.8  18.6   8.4   158   3.7       42.0   2.2  -22.0   45                        *                   .        *
    50 22.8  18.6   8.6   157   3.7       52.0   1.6  -30.0   50                        *                   .        *
    55 22.8  18.4   8.7   156   3.8       96.0   2.9  -10.0   55                        *                   .        *
    60 22.8  18.3   6.3   156   3.9       66.0   2.8  -18.0   60                    *                       .        *
    65 22.7  18.1   5.6   153   4.0       54.0   3.2  -28.0   65                  *                        .        *
    70 22.6  17.9   5.8   151   4.0       80.0   3.5  -20.0   70                   *                       .        *
    75 22.6  17.7   6.1   151   4.1       42.0   2.8  -10.0   75                   *                      .         *
    80 22.6  17.6   6.1   151   4.1       36.0   3.1  -10.0   80                   *                      .         *
    85 22.6  17.4   6.5   150   4.1       52.0   3.4  -20.0   85                    *                     .         *
    90 22.6  17.2   7.0   150   4.2       50.0   3.2  -20.0   90                     *                   .          *
    95 22.4  17.1   7.4   150   4.2       32.0   2.2  -24.0   95                      *                  .          *
   100 22.3  17.0   8.0   150   4.1       56.0   1.7  -34.0  100                       *                 .          *
   125 22.3  16.4   9.2   130   3.9       25.6   2.2  -19.6  125                         *              .           *
   150 21.0  15.6   8.8   109   3.8       30.0   2.3  -14.0  150                         *            .          *
   175 20.6  15.4   8.0   109   3.5       17.6   0.8  -24.0  175                       *              .         *
   200 20.4  14.9   7.6   105   3.3       12.4   1.4  -20.8  200                      *              .          *
   225 19.9  14.6   7.1    78   3.3       16.0   1.7   -8.4  225                     *              .          *
   250 18.8  14.7   9.2    29   3.6       11.2   2.6   -6.0  250                         *          .        *


                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4     MONTH  4
                                                                  MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                          1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                     GRADIENT                -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN   NUM  SDEV         MAX AVG    MIN         ....................................................................
     0 25.0  20.5   8.6   140   4.3        0.0   0.0    0.0    0                        *                       .        *
     5 25.0  20.5   8.6   140   4.3        8.0   0.1   -8.0    5                        *                       .        *
    10 25.0  20.5   8.7   140   4.3       18.0   0.3   -4.0   10                        *                       .        *
    15 25.0  20.5   8.8   140   4.3       22.0   0.4   -6.0   15                         *                      .        *
    20 25.0  20.5   8.9   140   4.3       22.0   0.8  -14.0   20                         *                      .        *
    25 25.0  20.4   9.0   140   4.3       38.0   0.9  -22.0   25                         *                      .        *
    30 25.0  20.4   9.2   140   4.2       16.0   1.1  -18.0   30                         *                      .        *
    35 25.0  20.3   8.6   140   4.3       60.0   2.0  -26.0   35                        *                       .        *
    40 25.0  20.2   8.2   139   4.3       20.0   1.4  -22.0   40                       *                       .         *
    45 25.0  20.0   7.9   139   4.3       24.0   2.5   -6.0   45                       *                       .         *
    50 25.0  19.9   7.8   138   4.3       20.0   2.6  -12.0   50                       *                       .         *
    55 24.9  19.7   7.8   138   4.3       30.0   3.2   -8.0   55                       *                      .          *
    60 24.9  19.6   8.1   138   4.3       34.0   3.3  -10.0   60                       *                      .          *
    65 24.9  19.4   8.4   138   4.3       50.0   3.6   -8.0   65                        *                     .          *
    70 24.7  19.2   8.5   138   4.3       26.0   4.0  -10.0   70                        *                    .          *
    75 24.6  19.0   8.7   138   4.3       54.0   4.0  -10.0   75                        *                    .          *
    80 24.2  18.8   8.8   136   4.2      120.0   4.4  -18.0   80                         *                   .         *
    85 24.1  18.6   9.0   136   4.1       50.0   4.0  -26.0   85                         *                  .          *
    90 24.0  18.4   9.1   136   4.1       40.0   3.4  -16.0   90                         *                  .          *
    95 23.6  18.2   9.2   134   4.0       42.0   3.4  -26.0   95                         *                 .          *
   100 23.6  18.1   9.3   134   3.9       16.0   2.4  -18.0  100                          *                .          *
   125 22.7  17.2   9.4   126   3.8       14.8   2.8   -4.0  125                          *              .          *
   150 21.6  16.5   8.7   101   3.6       18.8   2.6   -5.6  150                        *               .         *
   175 20.9  16.0   9.6    99   3.4       12.8   1.7   -6.8  175                          *            .         *
   200 20.0  15.4   9.7    86   3.4       21.2   2.2   -2.8  200                          *           .        *
   225 19.6  15.0   8.9    59   3.4       14.4   2.2   -6.4  225                         *           .        *
   250 19.4  14.2   9.4    18   3.9        6.4   1.9    0.0  250                          *        .          *
   275 17.1  17.1  17.1     1   0.0        0.8   0.8    0.8  275                                         .
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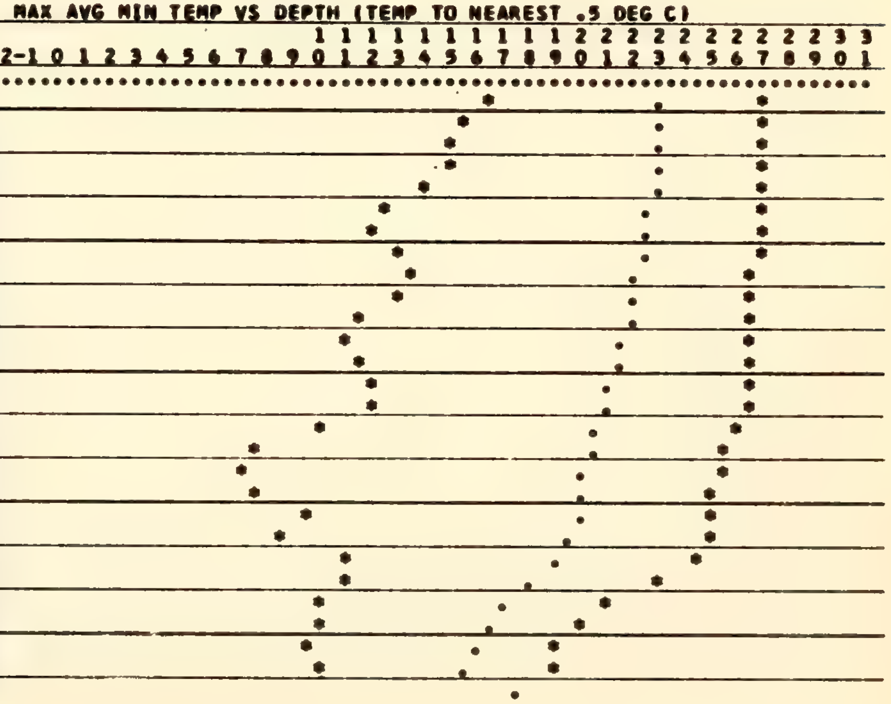
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4 MONTH 5

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	27.2	23.0	16.7	189	2.0	0.0	0.0	0.0	0
5	27.2	23.0	15.5	189	2.1	34.0	0.5	-6.0	5
10	27.2	22.9	14.9	189	2.2	40.0	1.0	-6.0	10
15	27.2	22.9	14.9	189	2.3	26.0	1.5	-4.0	15
20	27.2	22.8	14.0	189	2.4	32.0	2.1	-16.0	20
25	27.2	22.6	12.4	189	2.5	34.0	3.0	-2.0	25
30	27.2	22.5	12.0	189	2.6	62.0	3.3	-2.0	30
35	27.2	22.3	13.0	189	2.7	60.0	2.6	-46.0	35
40	26.7	22.2	13.3	189	2.7	50.0	3.1	-22.0	40
45	26.7	22.0	12.8	189	2.8	42.0	3.0	-44.0	45
50	26.7	21.8	11.6	188	2.9	40.0	4.2	-10.0	50
55	26.7	21.5	11.1	188	3.0	48.0	5.3	-22.0	55
60	26.6	21.3	11.3	188	3.1	42.0	4.7	-4.0	60
65	26.5	21.1	11.8	185	3.1	32.0	3.8	-42.0	65
70	26.4	20.9	12.0	185	3.1	70.0	4.0	-28.0	70
75	26.2	20.6	9.8	184	3.3	70.0	4.9	-22.0	75
80	25.7	20.4	7.3	182	3.4	70.0	4.8	-16.0	80
85	25.3	20.1	7.1	181	3.4	50.0	4.5	-28.0	85
90	25.2	19.9	7.6	181	3.4	30.0	4.0	-20.0	90
95	25.0	19.9	9.3	178	3.2	32.0	2.2	-80.0	95
100	24.9	19.7	8.5	178	3.1	24.0	3.3	-42.0	100
125	24.3	19.0	10.9	158	3.1	31.2	3.5	-17.6	125
150	22.8	18.0	10.9	117	3.1	19.2	3.1	-4.8	150
175	21.2	17.0	9.8	115	3.1	26.8	3.7	-0.4	175
200	19.9	16.4	10.1	112	3.0	17.2	2.3	-18.0	200
225	19.2	15.9	9.3	91	3.0	11.2	2.0	-3.2	225
250	19.1	15.7	10.2	56	2.9	7.2	1.8	0.0	250
275	17.3	17.3	17.3	1	0.0	1.2	1.2	1.2	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4 MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	28.1	24.6	15.4	342	2.3	0.0	0.0	0.0	0
5	28.2	24.6	15.9	342	2.3	30.0	0.1	-22.0	5
10	28.2	24.6	17.0	342	2.3	38.0	0.2	-42.0	10
15	28.2	24.6	16.3	342	2.3	26.0	0.2	-98.0	15
20	28.2	24.5	16.2	342	2.4	108.0	1.9	-36.0	20
25	28.2	24.4	11.0	342	2.6	106.0	2.7	-38.0	25
30	28.1	24.2	13.5	342	2.7	70.0	3.8	-58.0	30
35	27.8	23.9	10.5	341	2.9	132.0	5.6	-66.0	35
40	27.8	23.6	9.4	341	3.2	70.0	6.6	-28.0	40
45	27.8	23.1	8.8	341	3.5	118.0	8.7	-30.0	45
50	27.6	22.7	9.0	340	3.7	112.0	8.3	-24.0	50
55	27.2	22.3	8.8	340	4.0	150.0	8.5	-50.0	55
60	26.8	22.0	7.8	339	4.1	78.0	6.7	-24.0	60
65	26.6	21.6	6.9	338	4.2	62.0	7.5	-16.0	65
70	26.3	21.3	6.0	338	4.2	68.0	6.4	-18.0	70
75	26.0	21.0	6.0	338	4.2	90.0	6.8	-18.0	75
80	25.7	20.7	6.0	336	4.2	52.0	6.0	-50.0	80
85	25.6	20.4	6.3	336	4.2	46.0	5.7	-96.0	85
90	25.4	20.1	6.1	335	4.2	70.0	6.1	-32.0	90
95	25.2	19.8	5.8	331	4.1	76.0	5.7	-52.0	95
100	25.0	19.5	6.4	331	4.1	64.0	5.6	-22.0	100
125	23.7	18.4	6.2	317	3.8	34.0	4.4	-25.2	125
150	22.2	17.7	7.5	301	3.4	21.6	3.1	-14.4	150
175	21.5	16.9	7.7	295	3.2	26.0	3.0	-22.0	175
200	20.9	16.2	7.6	270	3.0	11.6	2.1	-13.6	200
225	20.2	15.7	8.6	246	3.0	14.4	2.2	-8.8	225
250	19.8	15.0	8.8	137	3.2	21.6	2.5	-7.6	250
275	18.3	16.0	9.1	26	3.0	6.0	1.4	-2.8	275

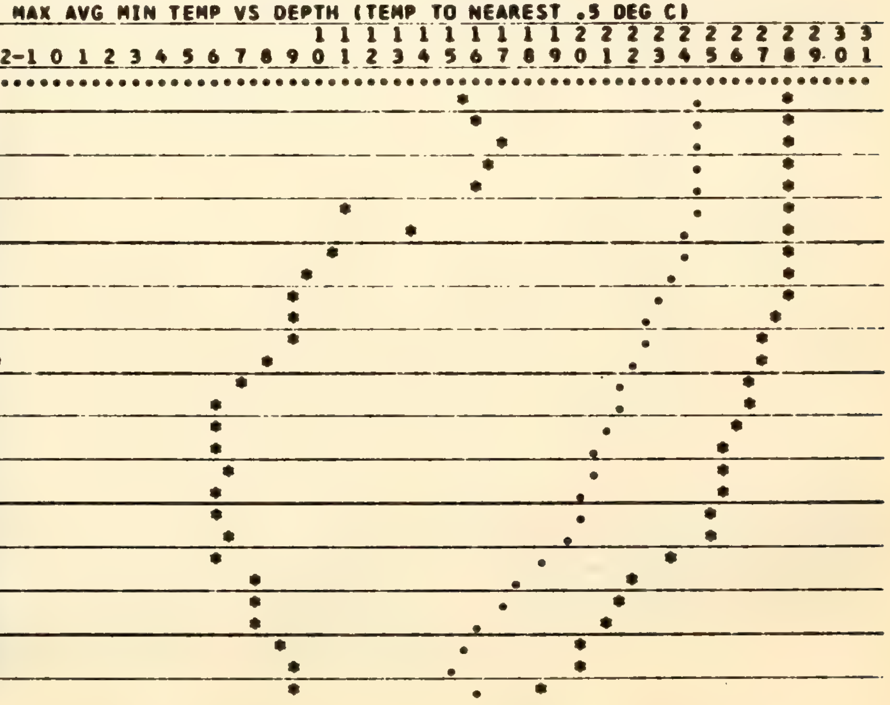
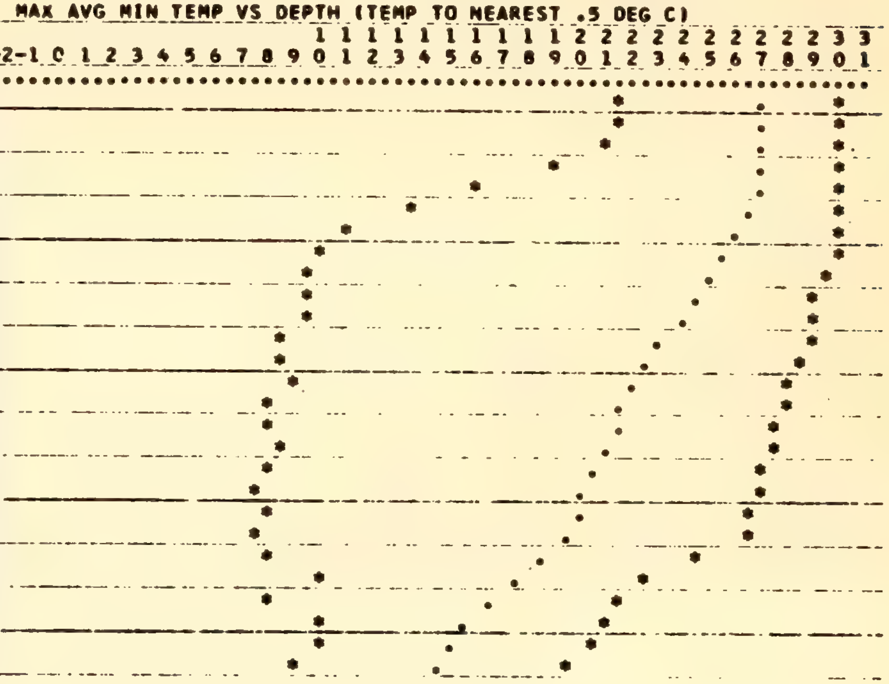


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4   MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX			
						MAX	AVG	MIN	
0	29.8	27.1	21.3	332	1.4	0.0	0.0	0.0	0
5	29.8	27.1	21.3	332	1.4	40.0	0.0	-36.0	5
10	29.9	27.1	20.9	331	1.5	90.0	-0.1	-62.0	10
15	29.9	27.1	18.8	331	1.6	62.0	1.7	-16.0	15
20	29.9	26.9	16.2	331	1.8	58.0	3.6	-28.0	20
25	29.9	26.5	13.5	331	2.2	84.0	6.4	-18.0	25
30	29.9	26.1	10.9	331	2.5	66.0	8.6	-12.0	30
35	29.9	25.5	9.8	330	2.9	88.0	11.5	-6.0	35
40	29.6	24.9	9.6	339	3.1	60.0	12.2	-12.0	40
45	29.2	24.3	9.7	330	3.2	72.0	11.8	-56.0	45
50	28.9	23.8	9.7	330	3.3	54.0	11.3	-28.0	50
55	28.9	23.2	8.3	330	3.5	50.0	11.9	-24.0	55
60	28.6	22.7	8.4	330	3.6	46.0	9.8	-44.0	60
65	28.2	22.2	8.8	322	3.6	56.0	9.1	-40.0	65
70	28.1	21.7	8.2	322	3.7	46.0	8.2	-30.0	70
75	27.7	21.4	8.2	322	3.6	62.0	7.5	-44.0	75
80	27.3	21.0	8.3	321	3.6	100.0	7.4	-10.0	80
85	27.1	20.5	7.9	320	3.7	100.0	8.9	-16.0	85
90	26.8	20.2	7.7	317	3.7	46.0	6.8	-22.0	90
95	26.5	19.9	8.0	312	3.6	70.0	6.6	-20.0	95
100	26.3	19.5	7.7	312	3.6	118.0	7.5	-38.0	100
125	24.4	18.3	8.0	296	3.3	20.4	4.7	-21.2	125
150	22.3	17.3	9.8	243	3.2	21.6	4.1	-19.2	150
175	21.4	16.4	8.1	237	3.2	18.4	3.6	-5.2	175
200	20.8	15.7	10.2	223	3.2	15.2	2.6	-8.4	200
225	20.3	15.1	9.9	206	3.2	12.8	2.2	-2.0	225
250	19.6	14.3	9.1	145	3.4	16.0	2.5	-8.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4   MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT			
						MAX	AVG	MIN	
0	29.8	27.3	24.5	283	1.0	0.0	0.0	0.0	0
5	29.8	27.3	23.6	283	1.0	22.0	-0.1	-22.0	5
10	29.7	27.3	22.8	283	1.0	16.0	-0.6	-32.0	10
15	29.7	27.3	22.7	283	1.0	20.0	-0.3	-28.0	15
20	29.7	27.3	22.1	283	1.1	60.0	0.5	-20.0	20
25	29.7	27.2	18.9	283	1.3	90.0	2.2	-16.0	25
30	29.7	27.0	17.9	283	1.5	64.0	3.2	-28.0	30
35	29.7	26.7	15.1	283	1.9	130.0	6.2	-4.0	35
40	29.5	26.4	12.8	283	2.3	198.0	7.0	-50.0	40
45	29.1	25.9	12.0	293	2.6	58.0	8.5	0.0	45
50	28.8	25.5	9.8	283	2.8	74.0	9.3	-60.0	50
55	28.8	25.0	8.5	283	3.0	88.0	9.9	-14.0	55
60	28.8	24.5	9.0	283	3.1	54.0	8.8	-26.0	60
65	28.8	24.1	9.9	282	3.2	120.0	9.9	-18.0	65
70	28.8	23.7	9.2	281	3.2	64.0	7.8	-26.0	70
75	28.1	23.3	9.0	281	3.3	48.0	8.0	-14.0	75
80	27.7	22.9	7.9	281	3.3	68.0	8.0	-8.0	80
85	27.3	22.5	8.8	281	3.2	84.0	8.3	-50.0	85
90	27.0	22.1	9.0	281	3.2	78.0	7.9	-32.0	90
95	26.8	21.7	9.0	280	3.2	54.0	8.3	-8.0	95
100	26.3	21.3	8.9	280	3.2	76.0	7.2	-60.0	100
125	24.5	19.7	8.6	270	3.1	44.0	6.7	-13.6	125
150	23.0	18.7	9.5	253	2.8	20.8	4.2	-20.4	150
175	21.3	17.8	9.2	242	2.7	26.8	3.6	-8.8	175
200	20.4	17.2	8.6	221	2.6	16.4	2.5	-8.4	200
225	19.7	16.9	9.8	193	2.4	8.8	1.7	-18.4	225
250	18.9	16.9	9.1	123	2.2	8.8	1.3	-2.4	250
275	18.7	16.5	11.2	6	2.9	3.2	1.9	0.8	275

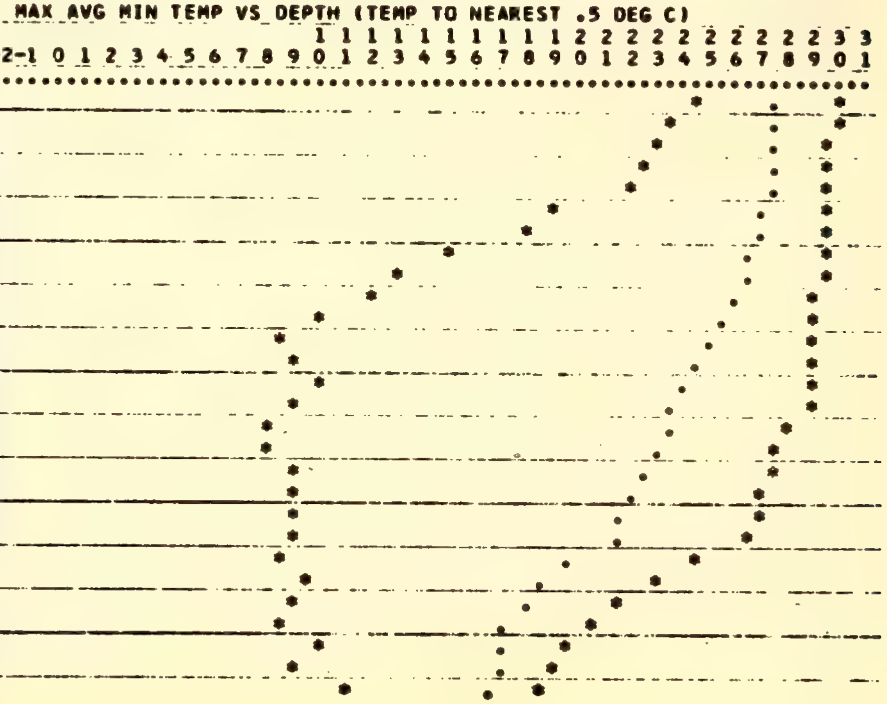
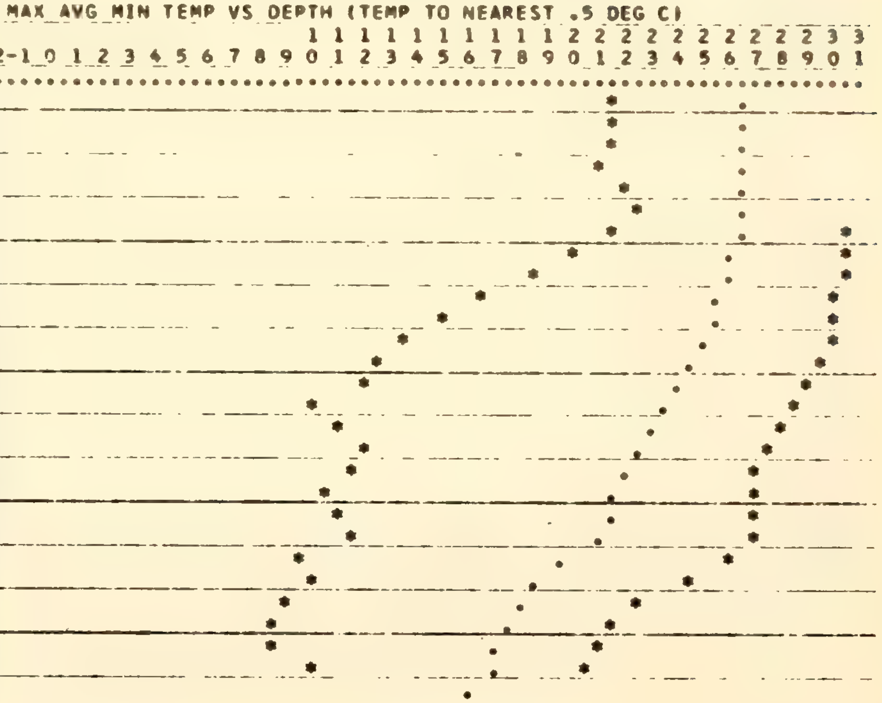


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	 AVG	 MIN	
0	32.5	26.5	21.7	157	1.6	0.0	0.0	0.0	0
5	32.2	26.5	21.5	157	1.6	8.0	-0.1	-4.0	5
10	32.2	26.5	21.3	157	1.6	8.0	-0.1	-6.0	10
15	31.8	26.5	21.1	157	1.6	14.0	0.3	-12.0	15
20	31.4	26.5	21.9	157	1.6	26.0	0.6	-16.0	20
25	31.0	26.4	22.4	157	1.5	24.0	1.1	-10.0	25
30	30.7	26.3	21.7	157	1.7	64.0	2.4	-4.0	30
35	30.6	26.2	19.9	157	1.8	58.0	2.8	-2.0	35
40	30.5	25.9	18.6	157	2.1	64.0	4.8	-2.0	40
45	30.2	25.6	16.4	157	2.5	80.0	6.0	-8.0	45
50	30.0	25.3	15.1	157	2.8	52.0	6.6	-6.0	50
55	29.9	24.8	13.5	156	3.1	74.0	9.8	-8.0	55
60	29.3	24.3	12.7	156	3.3	50.0	10.0	-6.0	60
65	28.9	23.8	12.1	154	3.5	70.0	10.2	-2.0	65
70	28.6	23.3	10.2	154	3.7	50.0	9.2	-22.0	70
75	27.9	23.0	11.1	153	3.7	90.0	8.0	-18.0	75
80	27.7	22.6	12.0	153	3.6	100.0	8.3	-34.0	80
85	27.2	22.2	11.4	153	3.6	42.0	8.4	-10.0	85
90	27.1	21.7	10.5	153	3.6	76.0	8.8	-20.0	90
95	27.1	21.3	10.9	150	3.6	46.0	6.8	-22.0	95
100	27.2	21.1	11.4	150	3.5	36.0	5.3	-22.0	100
125	26.1	19.6	9.7	146	3.4	35.6	5.8	-7.2	125
150	24.7	18.6	9.8	120	3.1	14.0	3.7	-2.8	150
175	22.7	17.8	8.9	119	3.0	16.4	3.0	-12.4	175
200	21.7	17.3	8.3	111	3.0	9.2	2.3	0.0	200
225	20.9	16.9	8.3	89	2.8	6.0	1.8	0.0	225
250	20.4	17.0	10.1	62	2.2	6.8	1.5	-1.6	250
275	16.1	16.0	15.8	4	0.1	0.4	0.1	0.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	 AVG	 MIN	
0	28.6	25.7	17.6	188	1.7	0.0	0.0	0.0	0
5	28.7	25.7	17.6	188	1.7	4.0	-0.2	-6.0	5
10	28.7	25.7	17.6	188	1.7	6.0	0.0	-6.0	10
15	28.8	25.7	17.5	188	1.7	10.0	0.2	-6.0	15
20	28.8	25.7	17.5	187	1.7	8.0	0.1	-6.0	20
25	28.9	25.8	17.5	186	1.7	20.0	0.0	-16.0	25
30	28.8	25.8	17.5	186	1.7	12.0	0.2	-14.0	30
35	28.8	25.7	17.5	185	1.7	30.0	0.5	-4.0	35
40	28.8	25.7	17.5	184	1.7	30.0	0.7	-4.0	40
45	28.8	25.6	17.4	184	1.8	70.0	1.5	-4.0	45
50	28.8	25.5	17.4	184	1.9	72.0	2.2	-2.0	50
55	28.6	25.3	15.5	183	2.1	60.0	3.2	-2.0	55
60	28.3	25.1	14.6	183	2.2	40.0	3.9	-14.0	60
65	28.1	25.0	16.0	174	2.2	58.0	3.9	-10.0	65
70	28.1	24.8	14.7	174	2.4	66.0	4.1	-2.0	70
75	28.1	24.6	11.5	174	2.6	64.0	3.7	-4.0	75
80	28.0	24.4	10.5	174	2.7	68.0	4.4	-2.0	80
85	28.0	24.1	9.8	174	2.9	90.0	5.6	-8.0	85
90	27.8	23.9	9.9	172	2.9	50.0	5.5	-2.0	90
95	27.6	23.6	10.0	171	3.0	26.0	5.5	-2.0	95
100	27.6	23.3	10.1	171	3.0	54.0	6.7	-16.0	100
125	26.4	21.4	10.1	167	3.2	42.4	7.4	-8.0	125
150	25.3	19.9	10.3	150	2.9	32.0	5.8	-14.4	150
175	24.3	18.8	10.6	148	2.7	25.6	4.7	-6.0	175
200	23.3	18.2	9.7	119	2.5	23.2	3.8	-4.8	200
225	21.9	17.8	10.0	99	2.1	12.8	2.7	-6.4	225
250	21.1	17.8	9.5	59	2.0	11.6	2.1	-4.0	250
275	18.6	15.2	9.3	7	3.5	4.4	1.5	-3.2	275

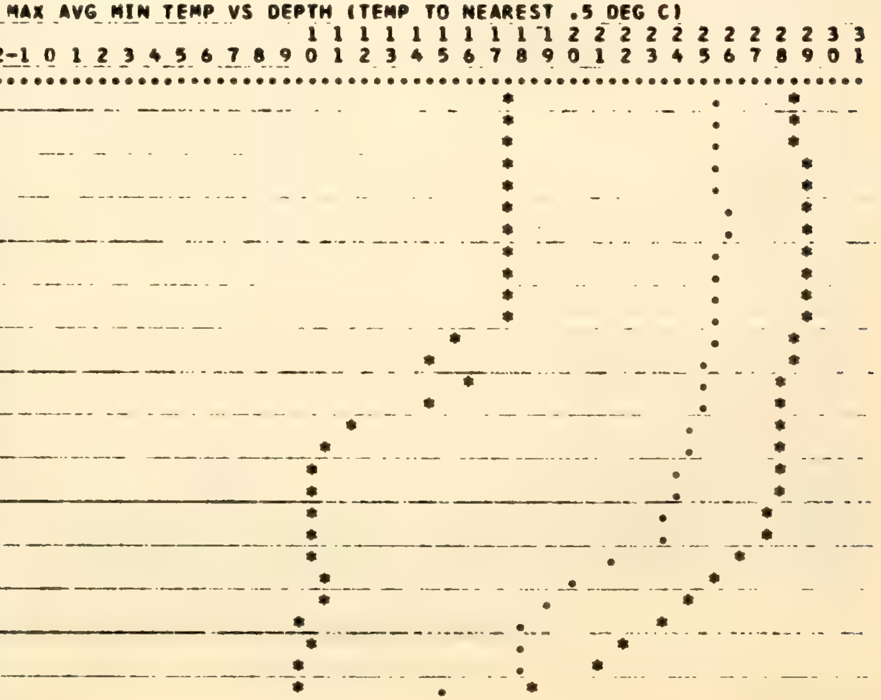


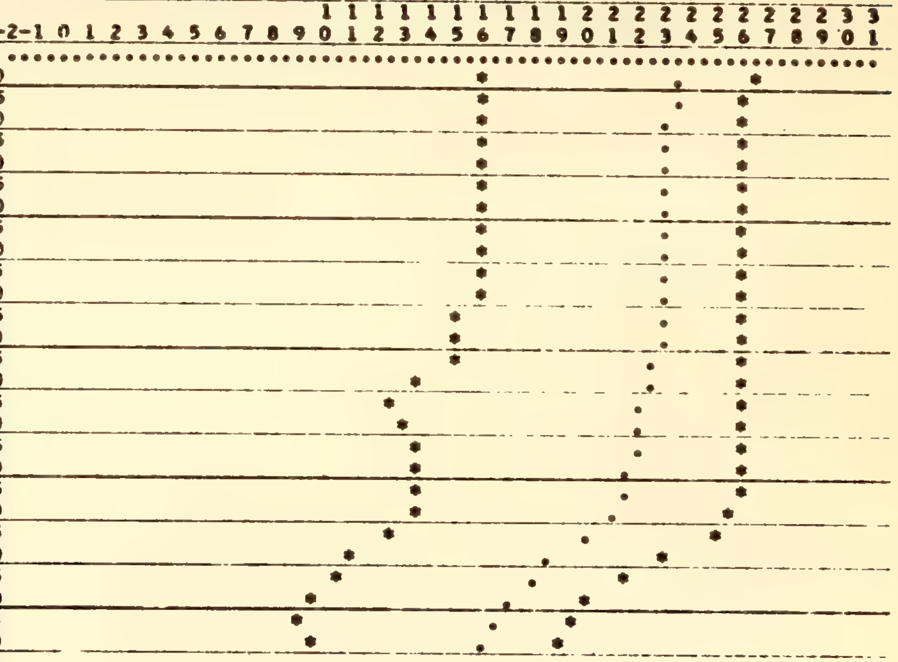
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4   MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.3	23.3	16.1	163	2.1	0.0	0.0	0.0	0
5	26.2	23.3	16.1	163	2.1	10.0	0.0	-4.0	5
10	26.2	23.2	16.1	163	2.1	10.9	0.3	-2.0	10
15	26.2	23.2	16.1	163	2.1	8.0	0.3	-2.0	15
20	26.2	23.2	16.1	163	2.1	8.0	0.4	-2.0	20
25	26.2	23.2	16.1	163	2.1	14.0	0.4	-2.0	25
30	26.2	23.1	15.9	163	2.1	20.0	0.7	-2.0	30
35	26.2	23.1	15.9	163	2.1	26.0	1.0	-2.0	35
40	26.2	23.1	15.9	163	2.1	12.0	0.6	-2.0	40
45	26.2	23.0	15.9	163	2.2	36.0	0.8	-2.0	45
50	26.1	23.0	15.9	163	2.2	40.0	1.0	-2.0	50
55	26.1	22.9	15.0	162	2.3	48.0	1.6	-2.0	55
60	26.1	22.8	14.9	162	2.3	14.0	1.3	-20.0	60
65	26.1	22.5	14.8	152	2.3	54.0	2.6	-4.0	65
70	26.1	22.3	13.4	152	2.6	64.0	3.7	-4.0	70
75	26.1	22.2	12.6	152	2.6	42.0	2.5	-10.0	75
80	26.0	22.1	13.0	151	2.7	24.0	2.6	-14.0	80
85	25.9	21.9	13.3	151	2.8	30.0	3.9	-6.0	85
90	25.8	21.7	13.5	150	2.9	72.0	4.1	-30.0	90
95	25.8	21.4	13.5	147	2.9	40.0	4.7	-14.0	95
100	25.7	21.2	13.4	147	3.0	32.0	4.2	-26.0	100
125	25.0	19.8	12.5	145	3.0	30.8	5.4	-19.6	125
150	23.1	18.7	11.1	139	2.9	23.2	4.5	-13.2	150
175	21.4	17.8	10.6	136	2.8	20.4	3.5	-5.2	175
200	20.2	17.0	9.7	127	2.8	20.0	2.6	-4.0	200
225	19.7	16.4	8.9	106	3.0	17.2	2.2	-2.0	225
250	19.0	16.0	9.3	50	3.0	5.6	1.8	-0.8	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4   MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.3	21.6	15.0	114	2.3	0.0	0.0	0.0	0
5	24.3	21.6	15.0	114	2.3	4.0	0.0	-4.0	5
10	24.3	21.6	15.1	114	2.3	6.0	0.0	-6.0	10
15	24.3	21.6	15.1	114	2.3	18.0	0.2	-2.0	15
20	24.3	21.6	15.1	114	2.3	6.0	0.2	-14.0	20
25	24.3	21.6	15.0	114	2.3	10.0	0.3	-2.0	25
30	24.3	21.6	15.0	114	2.3	12.0	0.5	-6.0	30
35	24.3	21.5	15.0	114	2.4	16.0	0.7	-2.0	35
40	24.3	21.5	15.0	114	2.4	18.0	1.1	-2.0	40
45	24.3	21.4	15.0	114	2.5	16.0	1.2	0.0	45
50	24.3	21.3	15.0	114	2.5	34.0	1.6	-2.0	50
55	24.1	21.3	15.0	113	2.6	28.0	1.5	-2.0	55
60	24.0	21.2	14.9	112	2.6	14.0	1.2	-4.0	60
65	24.0	21.6	15.3	103	2.2	14.0	1.1	-10.0	65
70	24.0	21.5	15.4	103	2.2	12.0	1.0	-20.0	70
75	23.9	21.4	15.4	103	2.3	18.0	1.8	-2.0	75
80	23.9	21.3	14.8	103	2.3	46.0	2.4	0.0	80
85	23.9	21.2	13.9	103	2.4	32.0	2.4	-2.0	85
90	23.9	21.1	13.8	102	2.4	16.0	2.0	-4.0	90
95	23.8	20.9	13.7	102	2.4	14.0	2.2	-6.0	95
100	23.7	20.8	13.4	102	2.4	20.0	2.3	-4.0	100
125	22.9	20.0	11.6	100	2.5	20.4	3.3	-2.0	125
150	22.2	19.0	11.3	87	2.7	8.0	3.1	-1.6	150
175	21.3	18.2	10.4	81	2.6	6.8	3.0	-2.0	175
200	20.3	17.6	9.9	74	2.7	7.2	2.5	-9.6	200
225	20.1	17.4	10.4	57	2.5	5.6	2.0	-1.2	225
250	19.7	17.2	9.7	25	2.5	4.0	0.1	-37.2	250
275	17.3	17.3	17.3	1	0.0	1.6	1.6	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

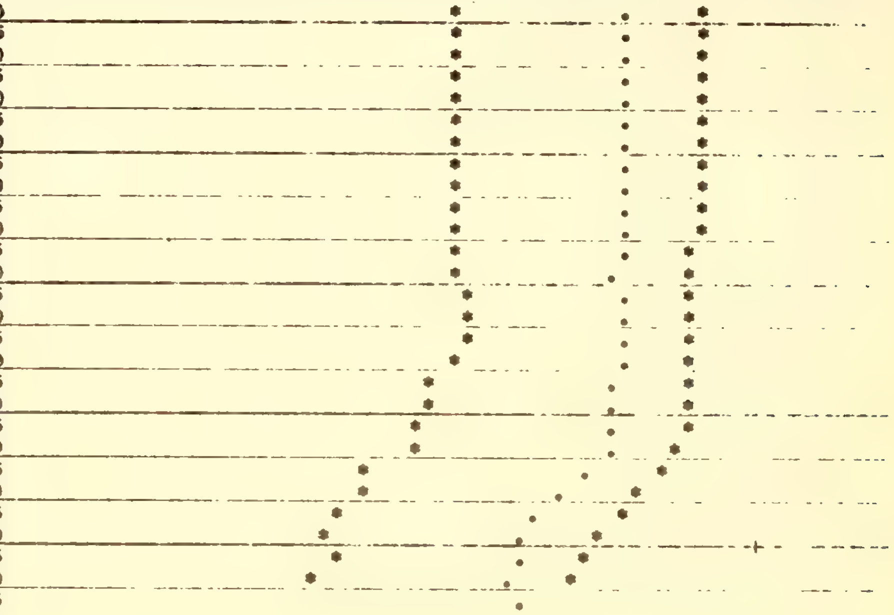
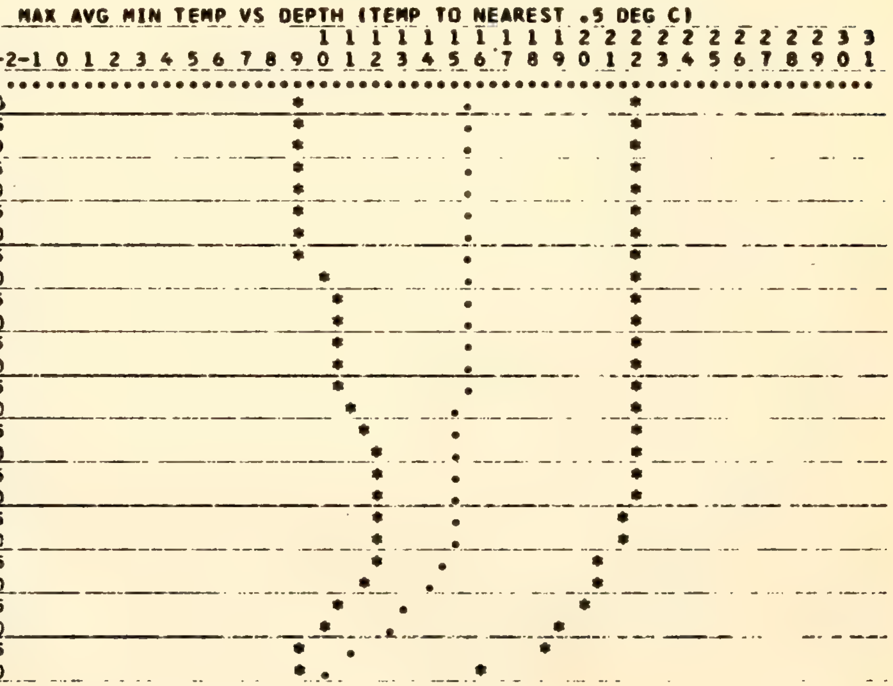


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4A MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	22.2	15.6	8.9	54	3.5	0.0	0.0	0.0	0
5	22.2	15.5	8.9	54	3.5	4.0	0.3	-6.0	5
10	22.2	15.5	8.9	54	3.5	6.0	0.3	-6.0	10
15	22.2	15.5	8.9	54	3.5	8.0	0.7	-2.0	15
20	22.2	15.5	8.9	54	3.5	8.0	0.7	-2.0	20
25	22.2	15.4	8.9	54	3.4	12.0	0.8	-2.0	25
30	22.2	15.4	9.1	54	3.4	16.0	0.7	-6.0	30
35	22.2	15.3	9.2	53	3.3	12.0	-0.1	-34.0	35
40	22.2	15.3	9.8	51	3.2	14.0	-0.6	-38.0	40
45	22.0	15.4	10.3	50	3.1	12.0	-1.1	-36.0	45
50	21.9	15.4	10.3	50	2.9	10.0	-0.7	-28.0	50
55	21.9	15.4	10.4	50	2.9	10.0	-0.1	-8.0	55
60	21.9	15.4	10.5	49	2.9	10.0	0.2	-6.0	60
65	21.9	15.3	10.7	48	2.8	10.0	-0.0	-10.0	65
70	21.9	15.2	10.9	47	2.8	10.0	0.2	-8.0	70
75	21.9	15.2	11.5	47	2.7	10.0	0.3	-12.0	75
80	21.9	15.2	12.1	47	2.6	24.0	0.9	-16.0	80
85	22.1	15.2	12.1	47	2.6	8.0	-0.6	-18.0	85
90	21.8	15.2	12.1	47	2.5	6.0	0.4	-8.0	90
95	21.7	15.2	12.1	46	2.4	10.0	0.8	-16.0	95
100	21.6	15.2	12.2	46	2.4	20.0	1.0	-16.0	100
125	20.7	14.7	12.1	44	2.1	11.6	2.1	-5.6	125
150	20.3	14.1	11.3	42	2.2	6.4	2.5	-0.8	150
175	19.8	13.1	10.6	38	2.3	8.8	3.6	-0.8	175
200	19.2	12.5	9.8	34	2.5	5.6	2.9	0.0	200
225	18.7	11.2	8.8	22	2.2	4.8	2.5	-0.8	225
250	15.8	9.9	8.8	12	1.8	4.0	2.0	-8.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4A MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	22.7	16.6	5.9	34	4.1	0.0	0.0	0.0	0
5	22.7	16.7	6.1	34	4.1	8.0	-0.8	-8.0	5
10	22.7	16.6	6.1	32	4.2	2.0	-0.4	-4.0	10
15	22.4	16.6	6.2	32	4.1	6.0	-0.2	-8.0	15
20	22.3	16.5	6.3	29	4.2	4.0	-0.9	-28.0	20
25	22.2	16.5	7.2	26	4.1	10.0	-2.6	-64.0	25
30	22.2	16.6	8.2	26	4.0	2.0	-1.5	-22.0	30
35	22.0	16.7	8.5	25	4.0	14.0	0.1	-18.0	35
40	21.7	16.6	8.7	25	3.9	18.0	1.0	-10.0	40
45	21.6	16.9	9.0	24	3.5	6.0	0.4	-6.0	45
50	21.6	16.9	9.3	23	3.5	16.0	0.6	-6.0	50
55	21.6	16.7	9.4	22	3.5	10.0	0.8	-4.0	55
60	21.6	16.7	9.8	22	3.4	4.0	-0.1	-8.0	60
65	21.6	16.4	10.0	20	3.4	6.0	0.5	-4.0	65
70	21.6	16.4	10.2	20	3.4	8.0	0.1	-14.0	70
75	21.6	16.4	10.4	20	3.3	10.0	1.3	-8.0	75
80	21.6	16.3	10.5	20	3.2	8.0	1.5	-2.0	80
85	21.6	16.2	10.4	20	3.2	12.0	2.1	-2.0	85
90	21.6	16.1	10.4	20	3.2	6.0	1.0	-2.0	90
95	21.6	16.1	10.3	20	3.2	6.0	0.7	-2.0	95
100	21.6	16.0	10.4	20	3.2	6.0	1.3	-4.0	100
125	21.7	16.2	11.1	16	3.2	8.4	1.0	-4.8	125
150	21.3	16.6	11.3	5	4.5	3.2	0.6	-0.8	150
175	21.1	16.3	10.3	5	4.7	4.0	1.3	0.0	175
200	20.3	15.8	9.6	5	4.6	3.2	1.8	0.0	200
225	19.6	15.4	9.3	5	4.6	2.8	1.6	0.4	225
250	19.4	13.8	8.9	4	4.7	4.0	2.2	0.0	250

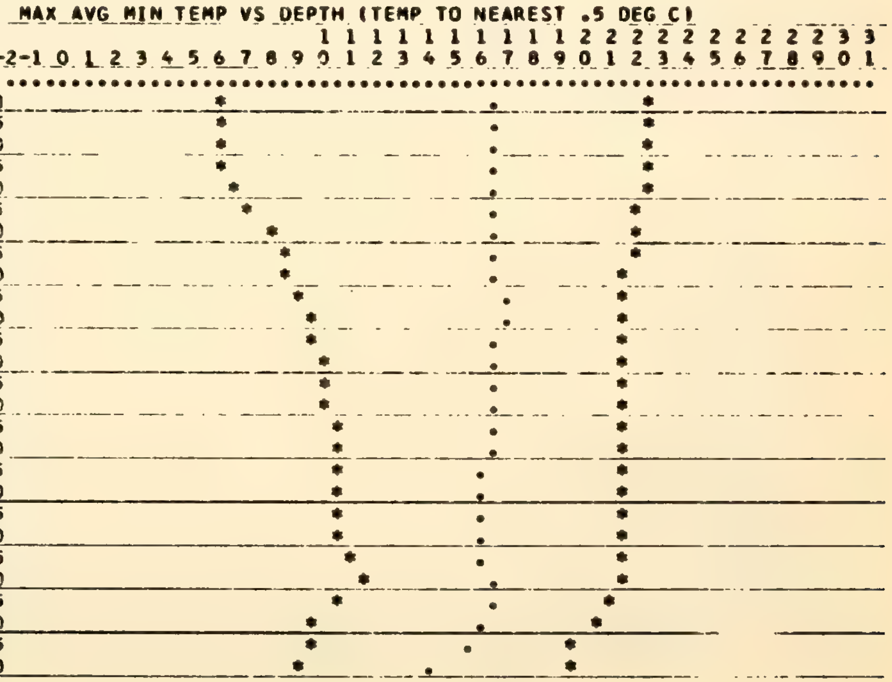


Table VI-1.—Continued

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                         NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4A    MONTH  3

DEPTH                                          GRADIENT
METERS MAX    AVG    MIN    NUM   SDEV       MAX    AVG    MIN
     0 22.9  16.8    3.2    161    4.6       0.0    0.0    0.0    0
     5 22.9  16.8    3.4    161    4.5      10.0   -0.4  -10.0    5
    10 22.9  16.8    3.5    161    4.5      36.0    0.0  -16.0   10
    15 22.9  16.8    3.5    161    4.5      18.0   -0.3  -26.0   15
    20 28.4  16.8    3.6    161    4.5      16.0   -0.7 -120.0   20
    25 22.9  16.8    3.6    161    4.4     118.0    1.0  -16.0   25
    30 22.9  16.8    3.6    161    4.4      42.0    0.3  -16.0   30
    35 22.9  16.8    3.6    161    4.2      18.0   -0.2  -50.0   35
    40 22.9  16.7    3.3    161    4.1      26.0    0.5  -34.0   40
    45 22.9  16.7    4.0    161    4.0      30.0    0.3  -32.0   45
    50 22.9  16.7    4.7    160    4.0      18.0    0.5  -32.0   50
    55 22.9  16.7    5.2    160    3.9      12.0    0.3  -14.0   55
    60 22.9  16.6    5.7    160    3.8      40.0    0.8  -26.0   60
    65 22.9  16.5    5.9    156    3.8      18.0    1.0  -16.0   65
    70 22.8  16.4    6.2    156    3.7      14.0    1.1  -32.0   70
    75 22.8  16.4    6.2    156    3.7      28.0    1.2  -12.0   75
    80 22.8  16.3    5.8    156    3.6      16.0    1.3  -20.0   80
    85 22.8  16.2    5.6    156    3.6      26.0    1.5  -22.0   85
    90 22.9  16.2    6.2    156    3.5      40.0    1.7  -14.0   90
    95 22.7  16.1    6.4    154    3.5      28.0    1.5  -20.0   95
   100 22.4  16.0    6.1    154    3.4      16.0    1.4  -28.0  100
   125 22.4  15.6    5.8    148    3.2      11.6    1.9  -11.2  125
   150 19.7  15.2    7.9    125    2.8      12.4    2.0   -9.2  150
   175 19.5  14.6    7.1    125    2.7      10.8    2.4   -6.0  175
   200 19.2  14.1    7.8    122    2.6      12.8    2.3  -17.6  200
   225 18.7  13.6    8.0    100    2.7      16.0    2.4   -3.2  225
   250 18.3  12.5    9.4     12    3.1       4.8    2.2    0.0  250
   275 12.6  12.6   12.6      1    0.0       4.0    4.0    4.0  275
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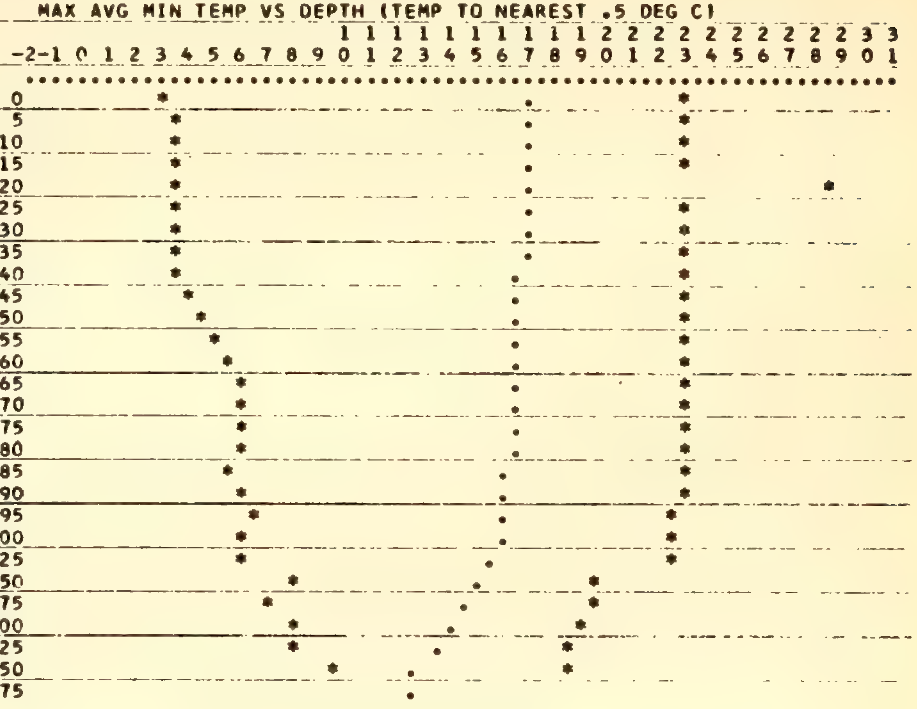

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                         NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4A    MONTH  4

DEPTH                                          GRADIENT
METERS MAX    AVG    MIN    NUM   SDEV       MAX    AVG    MIN
     0 24.2  17.1    4.3    135    5.2       0.0    0.0    0.0    0
     5 24.3  17.1    4.4    135    5.2       8.0   -0.0  -16.0    5
    10 24.3  17.1    4.5    135    5.2      40.0    0.5  -48.0   10
    15 24.3  17.1    5.0    135    5.2      36.0    0.5  -50.0   15
    20 24.3  17.1    5.5    135    5.1      30.0    0.2  -42.0   20
    25 24.3  17.1    5.7    135    5.0      20.0   -0.4  -56.0   25
    30 24.3  17.0    5.8    135    4.9      88.0    1.8  -42.0   30
    35 24.3  16.9    6.0    135    4.8      34.0    1.1  -22.0   35
    40 24.1  16.8    5.8    135    4.8      42.0    2.3  -56.0   40
    45 24.1  16.7    5.8    134    4.6      52.0    2.8  -20.0   45
    50 24.1  16.5    5.8    128    4.5      46.0    3.7  -40.0   50
    55 24.0  16.4    5.9    124    4.4      60.0    2.7  -38.0   55
    60 24.0  16.3    5.9    120    4.3      42.0    1.7  -40.0   60
    65 24.0  16.2    6.1    112    4.2      48.0    2.9  -58.0   65
    70 24.0  16.0    6.1    112    4.1      58.0    4.5  -32.0   70
    75 23.7  15.8    6.3    112    3.9      66.0    3.2  -24.0   75
    80 23.6  15.6    6.6    112    3.8      60.0    3.5  -24.0   80
    85 23.4  15.5    6.7    110    3.7      36.0    3.0  -28.0   85
    90 23.2  15.4    6.8    109    3.6      42.0    2.9  -22.0   90
    95 22.9  15.3    7.1    107    3.5      42.0    3.3  -38.0   95
   100 22.6  15.1    7.1    107    3.4      50.0    4.2  -48.0  100
   125 21.0  14.5    7.3     92    3.4      22.0    3.7   -8.0  125
   150 20.3  14.1    7.3     72    3.1      22.4    2.6  -16.4  150
   175 19.6  13.4    6.6     71    2.9      24.0    2.6   -9.2  175
   200 19.2  13.0    6.5     66    2.7      20.8    1.4  -16.4  200
   225 18.5  12.5    7.9     44    2.8      14.4    2.0  -10.8  225
   250 18.2  12.4    8.3     18    3.4      11.2    3.2   -4.4  250
   275 17.7  15.6   13.6      2    2.8      14.0    7.8    1.6  275
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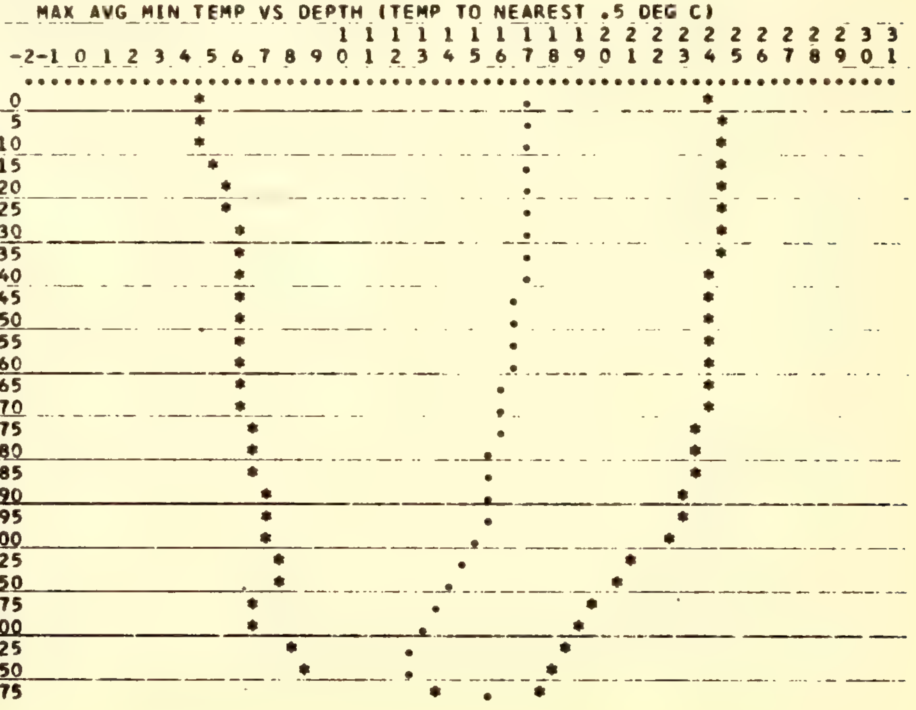
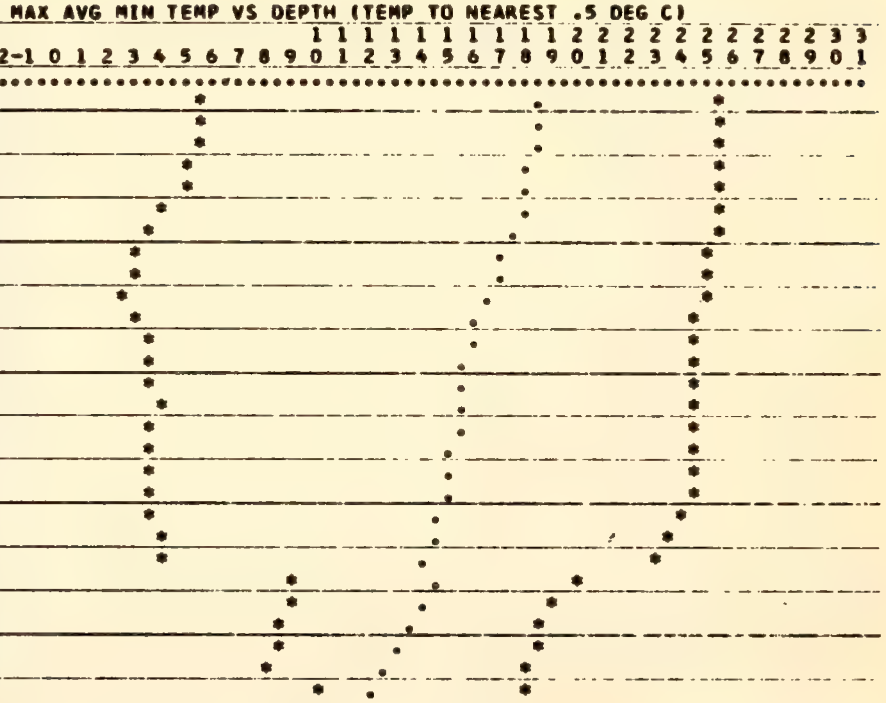


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4A MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.3	18.4	5.3	290	4.5	0.0	0.0	0.0	0
5	25.3	18.4	5.3	290	4.5	20.0	0.5	-46.0	5
10	25.4	18.3	5.3	290	4.6	62.0	1.4	-76.0	10
15	25.4	18.1	5.2	290	4.8	64.0	3.3	-26.0	15
20	25.4	18.0	4.8	289	4.8	74.0	3.6	-80.0	20
25	25.4	17.8	4.0	289	4.9	68.0	4.1	-72.0	25
30	25.3	17.4	3.6	289	5.0	68.0	6.4	-34.0	30
35	25.2	17.1	3.2	288	5.1	86.0	7.1	-32.0	35
40	25.1	16.8	2.9	288	5.1	76.0	6.5	-64.0	40
45	25.1	16.4	2.7	287	5.1	76.0	6.4	-48.0	45
50	24.6	16.1	2.9	283	5.0	100.0	6.1	-26.0	50
55	24.6	15.9	3.5	278	4.9	66.0	6.2	-20.0	55
60	24.6	15.7	3.6	275	4.8	52.0	4.3	-38.0	60
65	24.6	15.5	3.6	260	4.7	42.0	2.5	-54.0	65
70	24.6	15.4	3.8	260	4.5	52.0	2.5	-44.0	70
75	24.6	15.3	3.7	259	4.3	74.0	2.9	-44.0	75
80	24.6	15.2	3.6	259	4.2	46.0	2.4	-32.0	80
85	24.6	15.0	3.4	259	4.1	74.0	3.9	-22.0	85
90	24.6	14.8	3.4	257	4.0	84.0	4.5	-42.0	90
95	24.2	14.6	3.4	253	3.9	132.0	3.4	-34.0	95
100	23.7	14.5	3.8	253	3.8	76.0	3.5	-42.0	100
125	22.9	14.0	4.2	225	3.5	29.6	2.8	-23.6	125
150	20.0	14.5	8.9	144	3.0	26.4	2.9	-10.0	150
175	19.1	13.8	9.0	144	2.9	11.2	2.6	-21.2	175
200	18.7	13.3	8.7	140	2.8	12.8	2.3	-4.8	200
225	18.4	12.9	8.3	110	2.8	14.8	2.3	-2.8	225
250	18.1	12.5	8.0	78	2.6	8.0	1.9	-7.2	250
275	17.9	12.2	10.0	13	2.2	4.0	1.7	-0.8	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4A MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	2SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.6	22.4	11.1	190	6.8	0.0	0.0	0.0	0
5	28.4	22.4	10.8	190	6.8	34.0	0.6	-24.0	5
10	28.4	22.3	10.8	190	7.0	66.0	1.3	-40.0	10
15	28.4	22.3	10.7	190	7.0	28.0	0.2	-46.0	15
20	28.4	22.1	9.6	190	7.4	80.0	3.7	-16.0	20
25	28.4	21.8	7.0	190	8.0	90.0	6.2	-94.0	25
30	28.4	21.4	6.5	190	8.6	66.0	7.8	-14.0	30
35	28.4	20.9	7.2	190	9.0	102.0	9.9	-44.0	35
40	28.1	20.4	6.6	190	9.6	96.0	11.6	-16.0	40
45	27.8	19.7	5.6	190	9.6	66.0	12.7	-80.0	45
50	27.7	19.1	4.9	190	9.4	50.0	12.1	-26.0	50
55	27.5	18.6	4.9	190	9.2	56.0	9.9	-46.0	55
60	27.3	18.2	5.0	190	9.0	98.0	8.6	-30.0	60
65	25.4	17.5	4.9	182	8.2	90.0	7.9	-50.0	65
70	25.2	17.2	4.9	182	7.8	60.0	6.8	-50.0	70
75	24.9	16.9	5.1	182	7.6	50.0	6.6	-46.0	75
80	24.7	16.7	5.3	181	7.4	60.0	4.2	-36.0	80
85	24.2	16.5	5.6	181	7.2	50.0	3.8	-22.0	85
90	23.8	16.3	6.2	179	7.0	50.0	4.7	-28.0	90
95	23.6	16.1	6.6	179	6.8	52.0	5.3	-20.0	95
100	23.3	15.8	7.1	179	6.6	62.0	5.2	-14.0	100
125	21.3	14.7	8.7	175	5.8	27.6	4.4	-8.0	125
150	20.0	14.0	9.0	159	5.4	20.8	2.2	-13.2	150
175	19.7	13.4	8.2	155	5.2	17.2	2.4	-12.4	175
200	19.4	12.9	7.8	151	5.4	17.6	2.2	-3.2	200
225	19.3	12.1	7.5	128	5.4	13.2	2.5	-3.6	225
250	18.7	11.3	7.0	84	6.0	12.8	2.8	-3.2	250
275	16.5	14.9	11.2	5	4.4	7.2	3.5	1.6	275

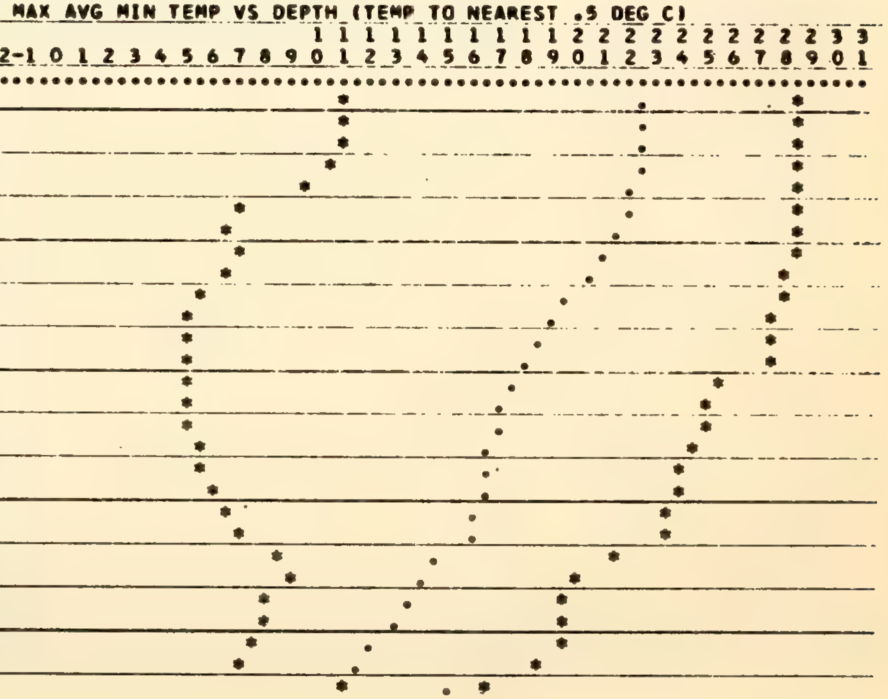


Table VI-1.—Continued

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                    NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4A   MONTH  7

DEPTH                                          GRADIENT
METERS MAX    AVG    MIN    NUM   SDEV       MAX     AVG     MIN
     0 29.2   24.6   13.7   232   3.1        0.0     0.0     0.0    0
     5 29.2   24.6   11.0   232   3.2       54.0     1.2   -42.0    5
    10 29.2   24.4    9.9   232   3.4       92.0     3.0   -40.0   10
    15 29.2   24.1    8.9   232   3.8      122.0     7.0   -18.0   15
    20 29.2   23.5    6.7   232   4.5      140.0    10.9   -52.0   20
    25 29.2   22.9    5.7   232   4.9       98.0    13.0   -58.0   25
    30 29.2   22.2    4.8   232   5.2       88.0    13.6   -60.0   30
    35 29.1   21.4    4.1   232   5.3       68.0    15.9   -24.0   35
    40 28.9   20.6    3.1   232   5.4       68.0    16.4   -48.0   40
    45 28.9   19.9    3.2   232   5.4       90.0    14.2   -40.0   45
    50 28.8   19.3    3.5   232   5.3       50.0    11.8   -44.0   50
    55 27.4   18.7    3.8   232   5.2       72.0    11.6   -42.0   55
    60 27.0   18.3    4.1   231   5.0       68.0     8.4   -32.0   60
    65 26.3   18.0    4.2   229   4.8       50.0     6.3   -86.0   65
    70 26.0   17.7    4.2   228   4.6       44.0     5.4   -66.0   70
    75 25.9   17.5    4.2   228   4.4       48.0     4.9   -32.0   75
    80 25.5   17.2    4.1   228   4.3       30.0     4.5   -24.0   80
    85 25.2   17.1    4.2   226   4.1       54.0     5.0   -28.0   85
    90 25.0   16.9    4.8   225   3.9       38.0     3.8   -44.0   90
    95 24.8   16.8    6.9   219   3.8       24.0     3.6   -40.0   95
   100 24.5   16.6    6.3   219   3.6       42.0     3.9   -12.0  100
   125 22.6   16.0    5.9   194   3.2       16.0     3.7   -10.8  125
   150 21.4   15.1    6.0   171   3.1       17.6     3.2    -4.4  150
   175 20.0   14.4    5.6   168   2.9       16.0     2.9    -4.8  175
   200 19.3   13.9    6.3   162   2.8       16.8     2.5    -7.2  200
   225 18.5   13.5    8.1   150   2.7       13.6     2.8    -2.4  225
   250 16.8   12.2    7.5    58   2.0        7.2     2.8    -1.2  250
   275  7.6    7.6    7.6     1   0.0        1.6     1.6     1.6  275
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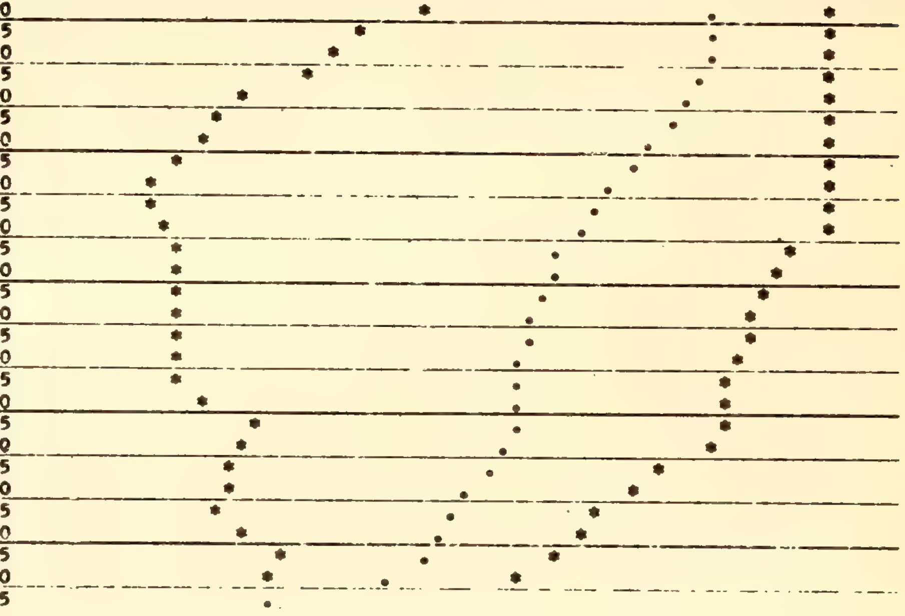
MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



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                    NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4A   MONTH  8

DEPTH                                          GRADIENT
METERS MAX    AVG    MIN    NUM   SDEV       MAX     AVG     MIN
     0 29.1   25.2   19.6   198   2.2        0.0     0.0     0.0    0
     5 29.0   25.2   19.4   198   2.2        8.0     0.3   -28.0    5
    10 29.0   25.1   16.4   198   2.3      158.0     0.7   -36.0   10
    15 28.9   25.0   15.8   198   2.6       98.0     3.5  -160.0   15
    20 28.9   24.4   11.7   198   3.3      102.0    11.0   -10.0   20
    25 28.9   23.6   12.3   198   4.2      110.0    15.8   -18.0   25
    30 28.9   22.8   10.0   198   4.7      122.0    17.4   -98.0   30
    35 28.9   21.6    8.9   198   5.1      108.0    23.4   -20.0   35
    40 28.9   20.7    8.3   197   5.2       86.0    17.6   -76.0   40
    45 28.9   20.0    9.0   197   5.2      144.0    15.4   -46.0   45
    50 28.8   19.3    8.2   197   5.3       60.0    13.3   -38.0   50
    55 28.8   18.6    8.3   196   5.4      152.0    13.1   -52.0   55
    60 28.5   18.2    8.2   196   5.3       88.0     8.8   -36.0   60
    65 27.3   17.7    7.9   196   5.2      162.0     9.8   -48.0   65
    70 26.8   17.3    7.8   196   5.1       52.0     7.1  -132.0   70
    75 26.3   16.9    7.6   196   4.9       56.0     8.0   -38.0   75
    80 25.4   16.6    7.6   196   4.7       60.0     6.2   -30.0   80
    85 24.8   16.3    7.5   194   4.5       52.0     5.8   -48.0   85
    90 24.5   16.2    7.4   192   4.4       52.0     4.0   -40.0   90
    95 24.1   16.1    7.4   184   4.3       28.0     3.9   -44.0   95
   100 23.9   16.0    7.5   184   4.1       32.0     2.8   -18.0  100
   125 23.1   15.1    7.8   170   3.5       29.6     4.5    -6.0  125
   150 22.3   14.1    8.1   143   3.2       23.6     3.3   -11.6  150
   175 21.2   13.3    7.9   139   3.0       22.8     3.3    -4.4  175
   200 19.4   12.5    7.0   132   3.0       15.2     2.9    -4.8  200
   225 18.4   11.8    6.4   121   2.9       12.4     2.5    -4.8  225
   250 18.2   11.5    7.1    71   2.9       10.0     2.7     0.0  250
   275 10.2   10.2   10.2     1   0.0        3.6     3.6     3.6  275
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MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

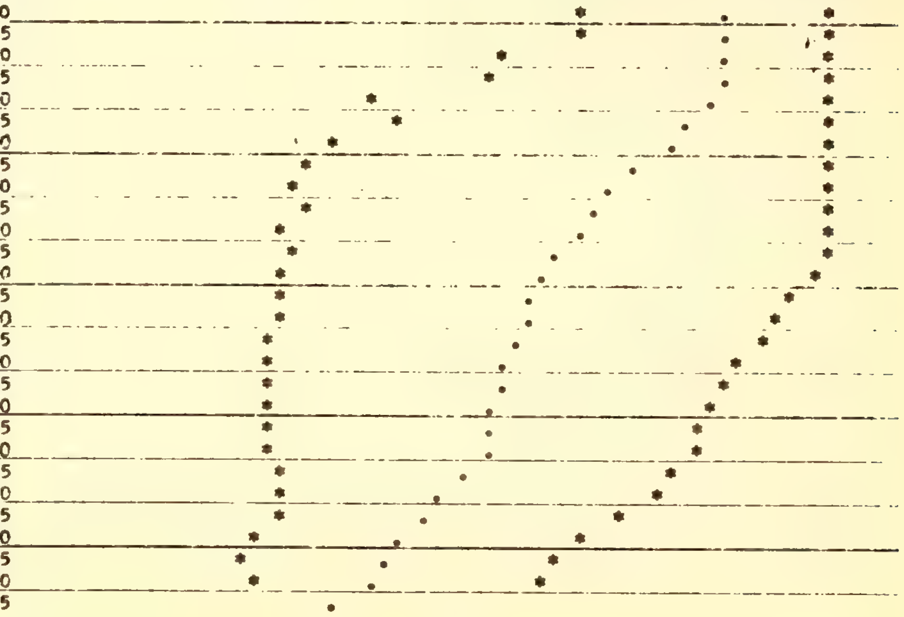


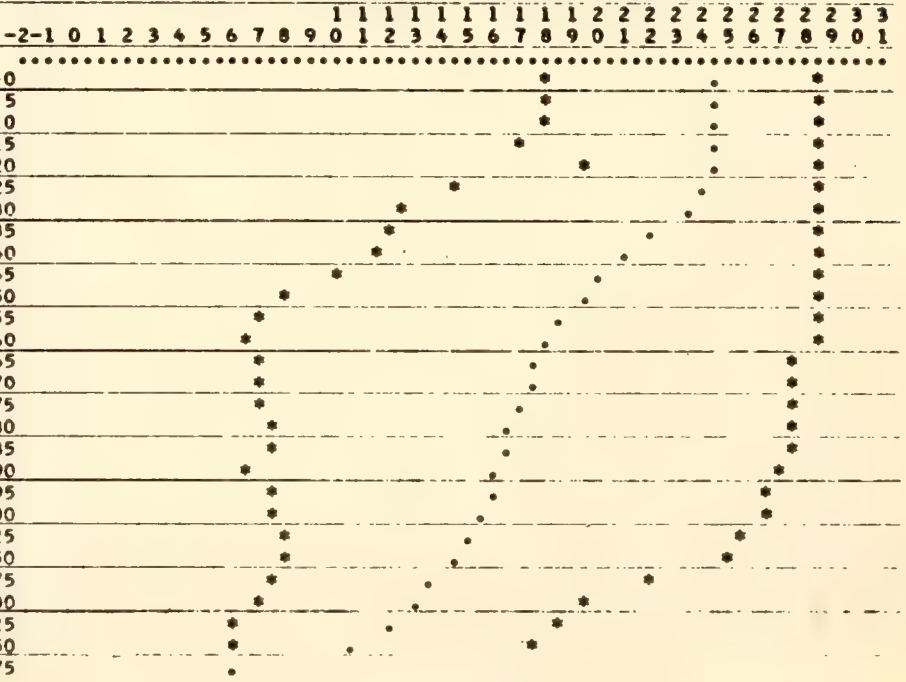
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4A MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.7	24.4	17.8	184	1.8	0.0	0.0	0.0	0
5	28.7	24.4	17.8	184	1.8	14.0	-0.3	-10.0	5
10	28.6	24.4	17.8	184	1.9	10.0	-0.3	-18.0	10
15	28.6	24.4	17.1	184	1.9	18.0	-0.3	-22.0	15
20	28.6	24.4	19.5	184	1.9	46.0	1.1	-48.0	20
25	28.6	24.0	14.5	184	2.4	152.0	6.3	-24.0	25
30	28.5	23.3	12.4	184	3.3	140.0	15.9	-14.0	30
35	28.5	22.1	12.0	184	3.9	138.0	22.1	-22.0	35
40	28.4	21.1	11.3	184	4.5	132.0	21.7	-34.0	40
45	28.4	20.1	10.0	183	4.9	108.0	18.8	-70.0	45
50	28.4	19.4	8.0	182	5.3	148.0	15.8	-74.0	50
55	28.4	18.7	6.8	180	5.4	76.0	13.5	-38.0	55
60	28.4	18.2	6.5	179	5.5	62.0	9.5	-34.0	60
65	27.6	17.7	6.9	178	5.4	80.0	8.9	-18.0	65
70	27.5	17.3	7.0	178	5.3	54.0	7.7	-26.0	70
75	27.5	17.0	7.2	177	5.2	50.0	7.4	-38.0	75
80	27.5	16.7	7.4	175	5.1	88.0	6.9	-18.0	80
85	27.5	16.4	7.4	174	5.0	62.0	5.7	-62.0	85
90	27.0	16.2	6.6	174	4.8	34.0	5.3	-52.0	90
95	26.7	15.9	7.6	170	4.7	34.0	4.2	-22.0	95
100	26.6	15.7	7.6	170	4.5	46.0	3.7	-46.0	100
125	25.6	14.9	7.8	158	4.2	23.6	3.6	-6.4	125
150	24.9	14.3	7.9	133	4.2	13.6	3.2	-1.6	150
175	22.1	13.5	7.3	133	3.9	15.6	3.3	-2.4	175
200	19.5	12.8	7.0	133	3.7	13.6	2.8	-9.2	200
225	18.7	12.0	6.1	130	3.7	8.0	3.0	-2.0	225
250	17.7	10.5	5.9	98	3.5	8.0	2.3	-2.4	250
275	5.8	5.8	5.8	1	0.0	1.2	1.2	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4A MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.3	23.6	14.8	214	2.7	0.0	0.0	0.0	0
5	27.5	23.6	14.8	214	2.7	14.0	-0.3	-40.0	5
10	27.6	23.6	14.9	214	2.7	14.0	-0.6	-36.0	10
15	27.7	23.7	14.9	214	2.7	38.0	-0.9	-40.0	15
20	27.7	23.7	15.0	213	2.7	20.0	-1.0	-78.0	20
25	27.7	23.7	15.1	213	2.7	22.0	0.0	-26.0	25
30	27.8	23.7	15.1	213	2.7	72.0	0.6	-36.0	30
35	27.8	23.6	13.1	213	2.8	66.0	1.2	-26.0	35
40	27.8	23.4	11.3	213	3.1	120.0	4.4	-18.0	40
45	27.8	23.1	11.3	213	3.4	66.0	6.2	-12.0	45
50	27.8	22.6	10.2	213	3.8	98.0	9.7	-16.0	50
55	27.9	22.2	9.1	212	4.2	138.0	9.4	-42.0	55
60	27.9	21.7	7.0	210	4.5	100.0	9.0	-24.0	60
65	27.9	21.3	6.8	207	4.9	140.0	10.9	-16.0	65
70	28.0	20.8	6.4	207	5.0	66.0	10.1	-36.0	70
75	28.0	20.2	6.5	206	5.1	148.0	11.0	-34.0	75
80	28.0	19.8	6.5	205	5.1	64.0	7.7	-36.0	80
85	28.0	19.2	6.6	205	5.1	162.0	12.2	-28.0	85
90	28.0	18.7	6.6	204	5.0	170.0	10.6	-86.0	90
95	28.0	18.4	6.7	199	4.8	94.0	8.5	-52.0	95
100	28.0	18.1	6.6	199	4.6	120.0	6.7	-50.0	100
125	24.7	16.7	6.9	184	4.0	38.0	6.2	-10.4	125
150	22.1	15.5	7.7	163	3.6	36.4	5.3	-14.0	150
175	20.7	14.5	8.4	158	3.4	22.0	3.7	-12.4	175
200	19.8	14.1	8.6	144	3.3	10.4	2.3	-10.8	200
225	19.0	13.5	8.3	116	3.4	14.4	2.7	-6.4	225
250	18.2	12.8	7.6	65	3.6	14.4	2.4	-1.6	250
275	15.2	11.0	7.1	6	3.2	3.6	1.6	-3.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

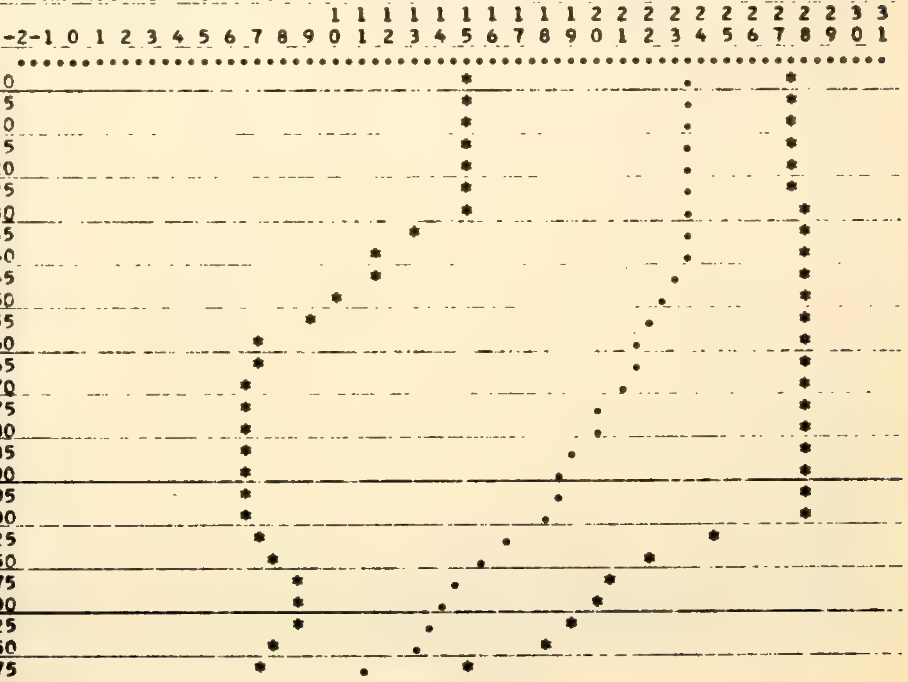
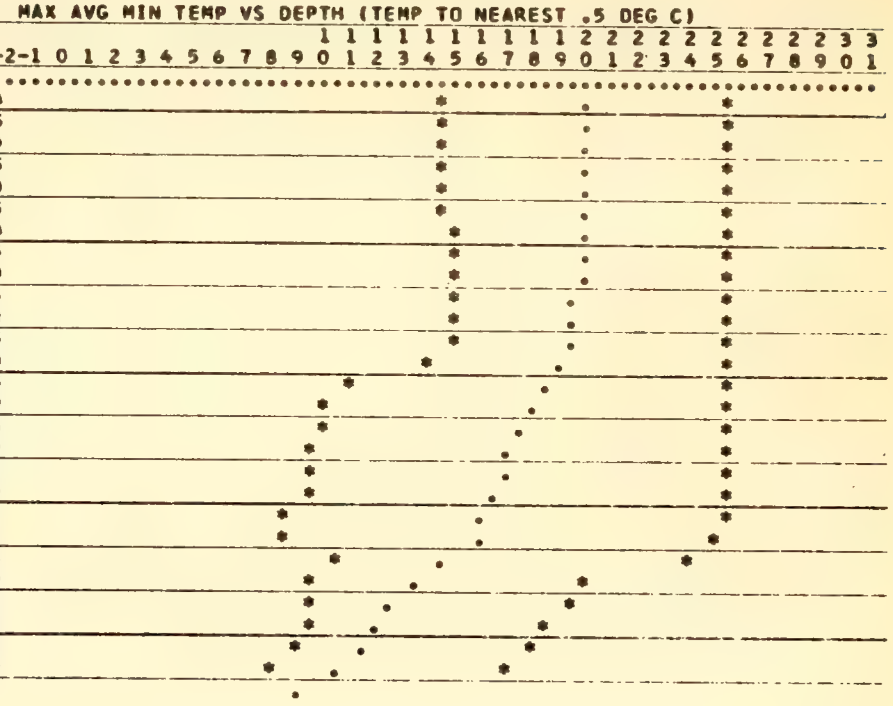


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4A MONTH 11

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	25.6	20.1	14.6	58	2.9	0.0	0.0	0.0	0
5	25.6	20.1	14.6	58	2.9	12.0	-0.1	-6.0	5
10	25.6	20.1	14.6	58	2.9	22.0	0.3	-2.0	10
15	25.6	20.1	14.6	58	2.9	24.0	0.5	-2.0	15
20	25.6	20.1	14.6	58	2.8	8.0	-0.0	-14.0	20
25	25.6	20.1	14.7	58	2.8	12.0	0.2	-22.0	25
30	25.6	20.0	14.9	58	2.8	20.0	1.2	-8.0	30
35	25.6	20.0	14.9	58	2.7	18.0	1.1	-4.0	35
40	25.6	19.8	14.9	58	2.7	42.0	2.5	-6.0	40
45	25.6	19.7	14.9	58	2.7	36.0	2.0	-22.0	45
50	25.6	19.6	14.9	58	2.8	34.0	3.0	-14.0	50
55	25.6	19.4	14.9	57	2.9	20.0	2.3	-8.0	55
60	25.6	19.1	14.1	57	3.0	42.0	6.8	-12.0	60
65	25.6	18.6	11.0	57	3.4	62.0	10.0	-8.0	65
70	25.6	18.1	10.1	57	3.5	48.0	9.6	-12.0	70
75	25.6	17.7	9.9	57	3.6	86.0	8.8	-24.0	75
80	25.6	17.2	9.6	57	3.8	96.0	10.3	-18.0	80
85	25.6	16.9	9.5	57	3.7	50.0	5.9	-50.0	85
90	25.4	16.6	9.5	54	3.8	56.0	8.3	-20.0	90
95	25.3	16.2	8.4	53	3.9	42.0	7.3	-42.0	95
100	25.1	16.0	8.5	52	3.9	28.0	4.7	-28.0	100
125	24.0	14.7	10.5	47	3.1	11.6	3.6	-13.2	125
150	20.1	13.3	9.6	37	2.6	19.2	4.5	-3.2	150
175	19.3	12.5	9.3	29	2.5	13.6	3.6	0.0	175
200	18.4	11.9	9.6	24	2.1	10.0	3.1	0.8	200
225	17.8	11.3	9.2	17	2.3	6.4	2.8	0.4	225
250	17.1	10.7	8.0	13	2.5	7.6	4.0	1.6	250
275	9.1	9.1	9.1	1	0.0	1.6	1.6	1.6	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 4A MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	24.1	16.6	7.4	87	3.6	0.0	0.0	0.0	0
5	24.1	16.6	7.5	87	3.6	4.0	-0.3	-6.0	5
10	24.1	16.7	7.8	87	3.6	4.0	-0.6	-14.0	10
15	24.1	16.7	8.0	87	3.6	6.0	-0.9	-50.0	15
20	24.1	16.8	8.0	87	3.5	8.0	-1.0	-44.0	20
25	24.1	16.8	8.2	87	3.4	4.0	-1.0	-18.0	25
30	24.1	16.8	8.3	87	3.3	24.0	-0.6	-50.0	30
35	24.1	16.9	8.4	87	3.2	26.0	-0.3	-38.0	35
40	24.1	16.9	9.4	87	3.1	16.0	-0.8	-26.0	40
45	24.1	16.9	10.1	87	3.0	30.0	0.0	-18.0	45
50	24.1	16.9	11.2	87	2.9	22.0	-0.2	-32.0	50
55	24.1	16.9	10.0	87	2.9	44.0	0.9	-32.0	55
60	24.1	16.8	9.9	86	2.9	48.0	2.0	-26.0	60
65	24.1	16.6	6.6	81	3.2	106.0	3.7	-42.0	65
70	24.1	16.4	4.9	80	3.4	34.0	2.3	-42.0	70
75	24.0	16.3	4.7	80	3.4	40.0	1.9	-34.0	75
80	24.0	16.1	4.8	79	3.5	48.0	4.0	-56.0	80
85	24.0	15.9	4.9	78	3.4	58.0	4.6	-32.0	85
90	24.0	15.5	5.1	78	3.5	78.0	6.7	-32.0	90
95	24.0	15.3	6.0	77	3.6	34.0	4.6	-40.0	95
100	24.0	15.0	6.1	77	3.5	26.0	5.3	-16.0	100
125	23.1	14.0	5.5	76	3.4	16.8	4.2	-10.4	125
150	21.9	13.3	5.9	67	3.3	20.0	3.2	-10.0	150
175	21.1	12.5	5.6	67	3.2	14.8	3.2	-1.2	175
200	20.2	11.8	6.0	63	2.9	9.2	3.0	-0.4	200
225	19.2	11.4	7.2	51	2.8	8.0	3.1	-3.2	225
250	18.5	10.4	6.8	24	2.9	4.4	3.0	1.6	250

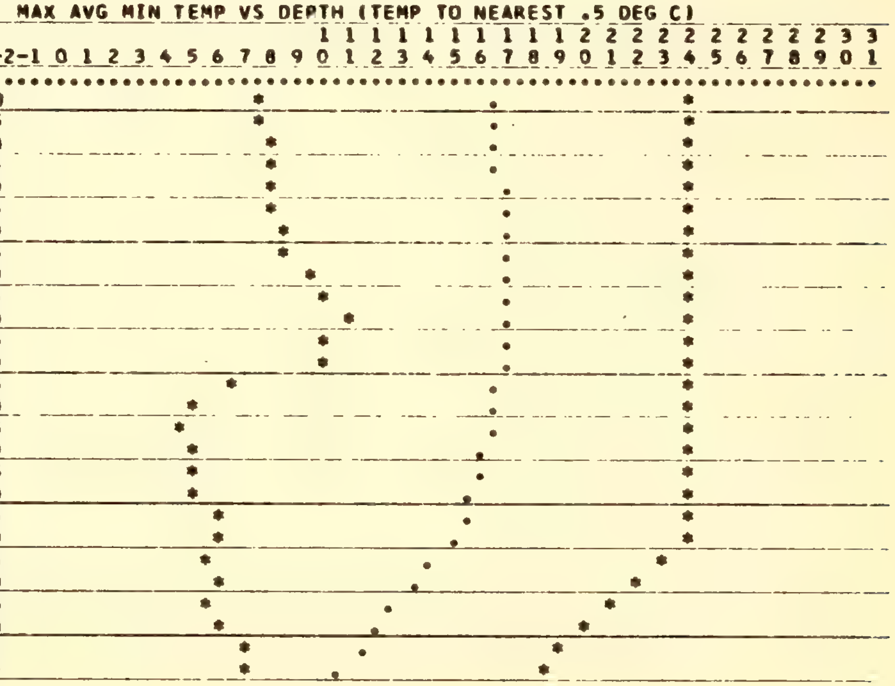
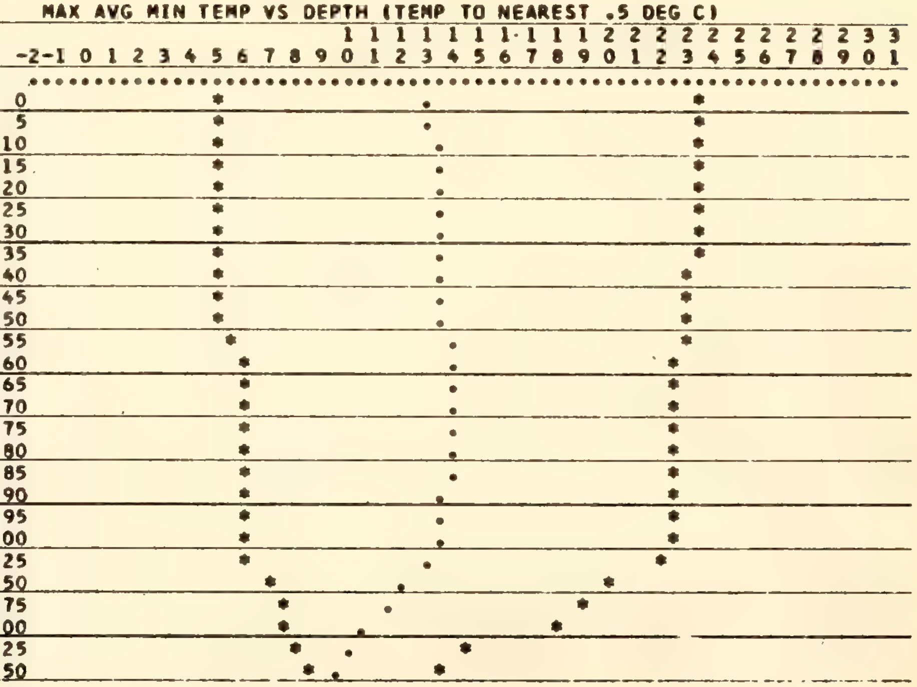


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 5 MONTH 1

DEPTH						GRADIENT		
METERS	MAX	AVG	MIN	NUM	2SDEV	MAX	AVG	MIN
0	23.4	13.2	4.9	137	7.6	0.0	0.0	0.0
5	23.4	13.2	4.9	137	7.6	4.0	-0.1	-10.0
10	23.4	13.3	4.9	137	7.6	4.0	-0.1	-26.0
15	23.3	13.3	4.9	137	7.6	6.0	-0.3	-22.0
20	23.3	13.3	4.9	137	7.4	10.0	-0.3	-22.0
25	23.3	13.3	5.0	136	7.4	16.0	-0.3	-30.0
30	23.3	13.4	5.0	136	6.8	52.0	-1.8	-60.0
35	23.3	13.5	5.0	136	6.4	34.0	-3.5	-68.0
40	23.2	13.6	5.0	134	6.0	12.0	-1.3	-52.0
45	23.2	13.6	5.0	133	5.6	18.0	-1.8	-84.0
50	23.2	13.7	5.1	133	5.4	18.0	-1.1	-28.0
55	23.0	13.8	5.4	132	5.0	18.0	-0.9	-46.0
60	22.6	13.8	6.0	132	4.8	20.0	-1.0	-46.0
65	22.5	13.9	6.1	127	4.6	30.0	-0.2	-26.0
70	22.6	13.9	6.1	127	4.4	22.0	-0.1	-36.0
75	22.6	13.9	6.1	126	4.2	10.0	-0.2	-42.0
80	22.6	13.8	6.1	124	4.0	14.0	0.2	-20.0
85	22.7	13.8	6.1	124	4.0	28.0	0.5	-16.0
90	22.6	13.7	6.1	120	3.8	24.0	1.1	-16.0
95	22.6	13.6	6.1	119	3.8	22.0	1.1	-26.0
100	22.6	13.6	6.0	119	3.8	14.0	1.5	-12.0
125	22.1	12.9	6.2	103	4.4	26.0	2.6	-11.2
150	19.8	12.2	7.1	88	3.4	12.0	2.4	-13.6
175	18.8	11.5	7.4	79	3.2	8.8	2.7	-10.4
200	18.1	10.6	7.4	68	3.2	15.2	2.9	-13.6
225	14.4	9.9	7.8	44	2.6	4.4	2.5	-6.8
250	13.4	9.4	8.4	20	2.4	4.4	2.5	0.8



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 5 MONTH 2

DEPTH						GRADIENT		
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN
0	22.3	12.3	2.7	182	4.6	0.0	0.0	0.0
5	22.3	12.3	2.8	182	4.6	14.0	-0.3	-12.0
10	22.3	12.3	2.7	182	4.6	6.0	-0.1	-6.0
15	22.3	12.3	2.7	182	4.6	6.0	-0.2	-8.0
20	22.3	12.3	2.6	182	4.5	10.0	-0.5	-24.0
25	22.3	12.3	2.6	182	4.5	24.0	-0.7	-28.0
30	22.3	12.4	2.6	182	4.4	16.0	-0.8	-32.0
35	22.3	12.5	2.6	182	4.2	16.0	-1.3	-56.0
40	22.2	12.5	2.5	181	4.1	16.0	-1.0	-52.0
45	22.2	12.6	2.5	181	4.0	20.0	-1.3	-60.0
50	22.2	12.7	2.8	179	3.8	16.0	-1.8	-38.0
55	22.2	12.8	2.8	178	3.7	24.0	-1.2	-32.0
60	22.2	12.8	2.9	177	3.5	20.0	-0.9	-32.0
65	22.2	12.9	3.0	176	3.4	14.0	-1.1	-54.0
70	22.2	12.9	3.1	176	3.3	16.0	-1.4	-32.0
75	22.1	13.0	3.1	175	3.2	12.0	-0.6	-30.0
80	22.1	13.0	3.2	174	3.0	20.0	-0.6	-44.0
85	22.1	13.0	3.2	170	2.9	16.0	-0.5	-20.0
90	22.1	13.0	3.3	169	2.8	18.0	0.2	-16.0
95	22.0	13.0	3.3	168	2.7	14.0	0.2	-16.0
100	21.8	12.9	3.3	168	2.7	28.0	0.3	-12.0
125	20.9	12.9	4.0	162	2.4	12.0	0.4	-10.0
150	20.1	12.7	3.9	150	2.2	7.6	0.7	-6.0
175	19.5	12.4	5.1	133	2.1	8.8	1.4	-6.0
200	18.7	11.7	5.1	127	2.1	5.6	2.4	-3.2
225	18.3	11.1	5.2	114	2.1	6.8	2.7	-2.8
250	13.4	10.3	7.8	80	1.3	6.8	2.8	0.0
275	9.7	8.6	7.0	5	1.0	4.4	3.5	2.8

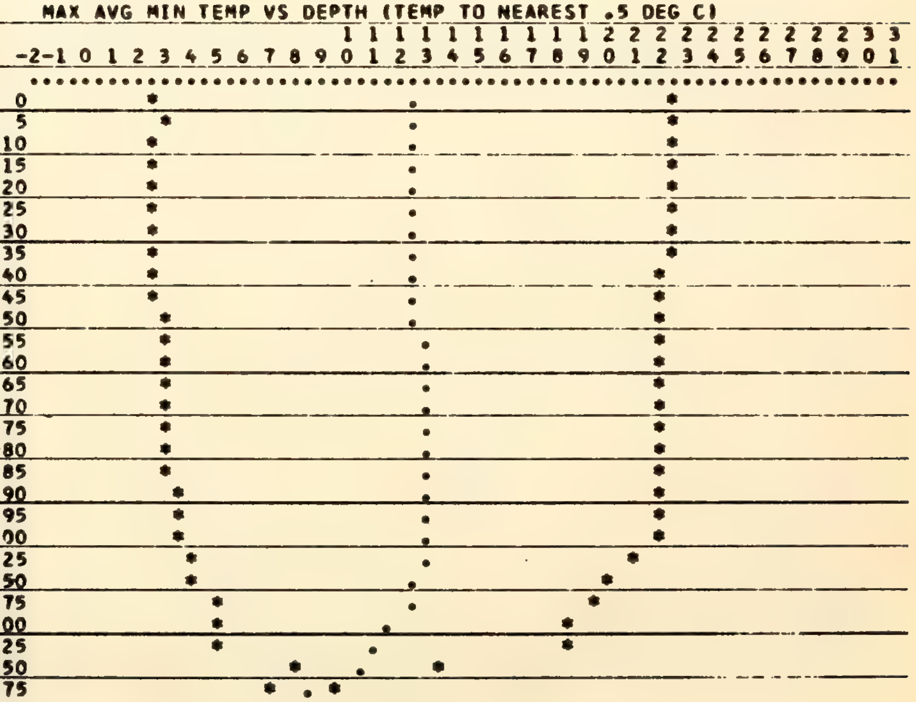
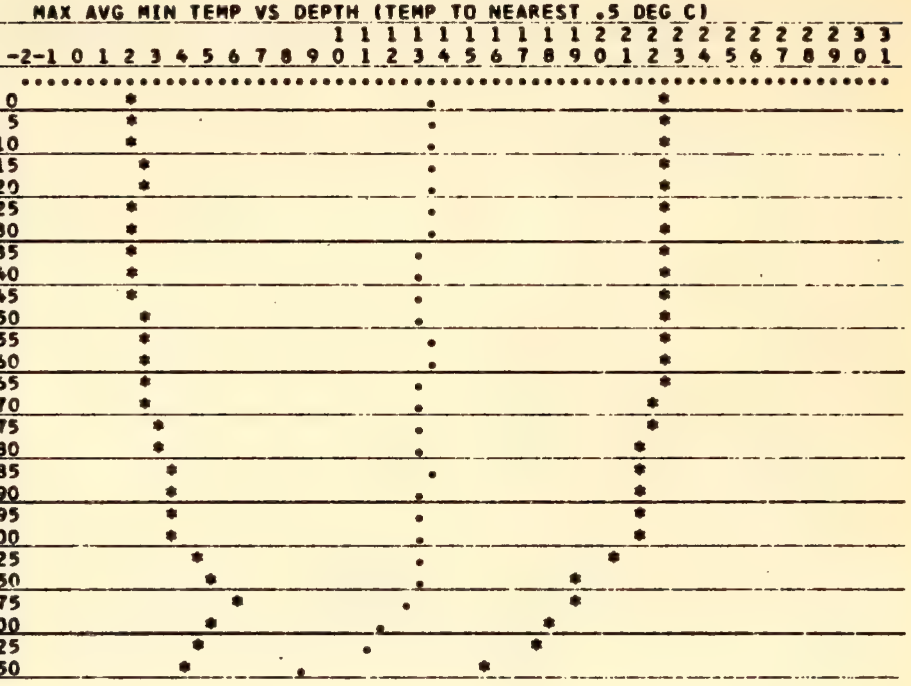


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 5 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	22.4	13.4	2.2	160	6.3	0.0	0.0	0.0	0
5	22.4	13.4	2.2	160	6.3	10.0	0.1	-10.0	5
10	22.4	13.4	2.2	160	6.3	16.0	-0.0	-24.0	10
15	22.4	13.4	2.3	160	6.2	62.0	-0.3	-46.0	15
20	22.4	13.4	2.3	160	6.1	54.0	0.4	-38.0	20
25	22.4	13.3	2.1	160	6.0	48.0	0.4	-54.0	25
30	22.4	13.3	2.1	160	5.9	70.0	1.2	-24.0	30
35	22.4	13.2	2.1	160	5.8	32.0	1.1	-16.0	35
40	22.4	13.2	2.1	160	5.6	44.0	0.7	-16.0	40
45	22.4	13.2	2.1	159	5.5	36.0	0.7	-28.0	45
50	22.4	13.2	2.4	157	5.3	34.0	0.8	-30.0	50
55	22.3	13.3	2.6	155	5.2	30.0	-0.3	-36.0	55
60	22.3	13.3	2.4	154	5.1	48.0	0.7	-18.0	60
65	22.3	13.2	2.4	153	5.0	62.0	1.5	-24.0	65
70	22.2	13.2	2.5	150	4.8	72.0	1.6	-30.0	70
75	21.8	13.2	2.8	146	4.7	28.0	0.2	-28.0	75
80	21.7	13.2	3.0	145	4.5	96.0	0.6	-64.0	80
85	21.7	13.3	3.5	140	4.4	38.0	0.7	-50.0	85
90	21.6	13.2	3.6	139	4.2	38.0	1.5	-56.0	90
95	21.6	13.2	3.6	133	4.2	40.0	1.6	-24.0	95
100	21.4	13.1	3.4	133	4.1	50.0	1.2	-46.0	100
125	20.5	12.9	4.3	125	3.5	20.4	1.2	-19.6	125
150	19.2	12.8	5.2	112	3.3	19.2	0.7	-23.2	150
175	19.2	12.5	5.9	108	3.2	18.0	1.3	-20.8	175
200	17.8	11.7	5.2	101	3.1	26.0	2.8	-16.4	200
225	17.6	11.1	4.5	76	3.2	10.0	1.9	-14.8	225
250	15.4	8.4	4.1	30	2.3	15.2	2.0	-4.8	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 5 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.3	12.1	3.1	184	5.7	0.0	0.0	0.0	0
5	24.3	12.1	3.1	184	5.7	32.0	0.2	-28.0	5
10	24.3	12.0	3.1	184	5.7	64.0	0.2	-42.0	10
15	24.3	12.2	3.2	184	5.7	38.0	-2.2	-48.0	15
20	24.3	12.1	3.2	184	5.5	136.0	0.2	-48.0	20
25	24.3	12.1	3.2	184	5.4	112.0	0.6	-48.0	25
30	24.2	12.1	3.4	184	5.3	36.0	-0.1	-24.0	30
35	24.2	12.2	3.5	183	5.1	48.0	-0.4	-28.0	35
40	24.1	12.2	3.4	182	5.0	22.0	-0.7	-24.0	40
45	24.0	12.2	3.4	182	4.9	30.0	-0.6	-30.0	45
50	23.9	12.3	3.4	182	4.7	56.0	-0.3	-40.0	50
55	23.9	12.3	3.4	182	4.5	42.0	-0.1	-46.0	55
60	23.7	12.3	3.4	182	4.3	62.0	-0.2	-32.0	60
65	23.2	12.3	3.4	182	4.1	30.0	-0.2	-36.0	65
70	22.8	12.3	3.3	182	3.9	66.0	-0.4	-32.0	70
75	22.8	12.3	3.3	182	3.7	36.0	-0.5	-28.0	75
80	22.8	12.3	3.4	180	3.6	58.0	-0.9	-26.0	80
85	22.7	12.4	3.5	179	3.4	32.0	-0.9	-24.0	85
90	22.6	12.5	3.6	176	3.3	32.0	-0.4	-26.0	90
95	22.3	12.5	3.6	172	3.2	52.0	0.0	-32.0	95
100	22.1	12.5	3.7	172	3.0	22.0	-0.6	-38.0	100
125	19.3	12.2	4.2	155	2.3	15.2	0.5	-14.4	125
150	18.2	11.8	5.9	129	2.1	20.8	1.5	-10.0	150
175	17.9	11.5	6.7	114	1.8	13.2	1.8	-10.8	175
200	17.7	11.2	6.6	96	1.9	7.2	1.9	-3.6	200
225	17.4	10.7	6.1	81	1.9	13.2	2.0	-10.4	225
250	16.0	10.0	6.7	46	1.4	6.0	2.4	0.0	250

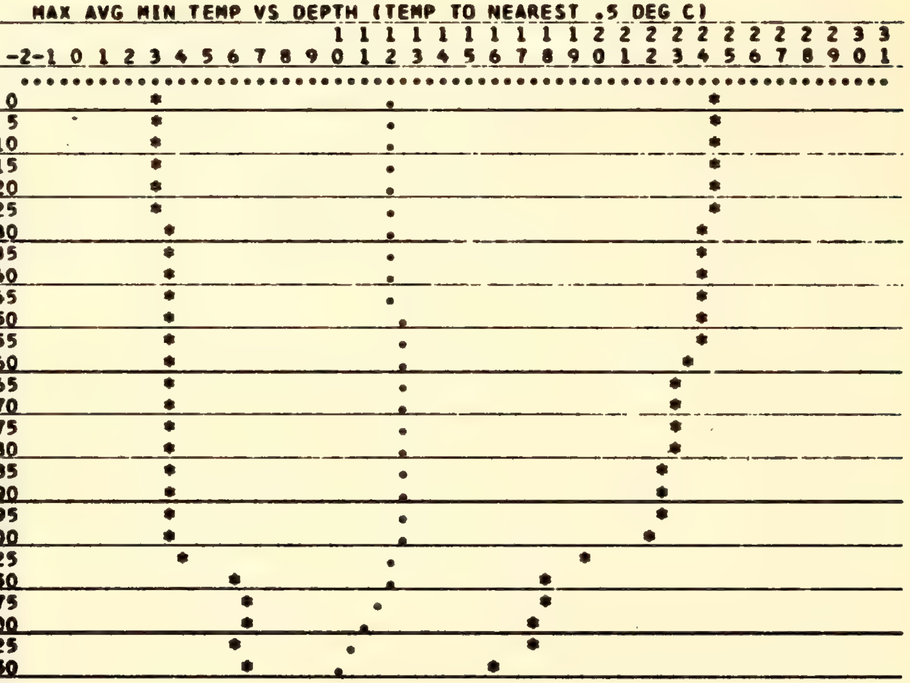
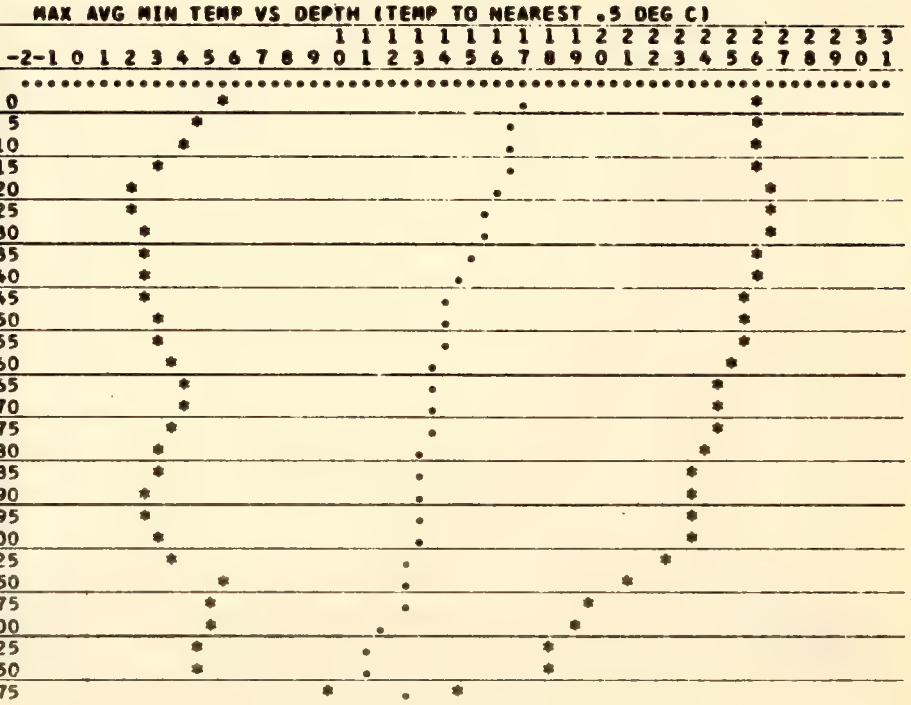


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 5 MONTH 5

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	26.2	16.8	5.3	312	5.1	0.0	0.0	0.0	0
5	26.2	16.7	4.6	312	5.1	50.0	1.7	-24.0	5
10	26.2	16.6	3.9	312	5.2	92.0	2.3	-40.0	10
15	26.2	16.4	3.0	310	5.3	90.0	3.9	-72.0	15
20	26.3	16.1	2.0	309	5.4	84.0	6.8	-32.0	20
25	26.3	15.7	2.1	305	5.5	178.0	8.3	-42.0	25
30	26.3	15.3	2.4	305	5.6	162.0	8.7	-48.0	30
35	26.2	14.8	2.5	305	5.6	76.0	8.7	-40.0	35
40	25.8	14.5	2.7	305	5.5	136.0	7.6	-78.0	40
45	25.6	14.2	2.7	305	5.3	88.0	5.1	-74.0	45
50	25.6	14.0	2.8	304	5.2	100.0	4.9	-112.0	50
55	25.6	13.8	3.1	298	5.2	60.0	4.2	-80.0	55
60	25.2	13.6	3.6	297	5.1	46.0	2.7	-100.0	60
65	24.5	13.5	3.9	294	4.9	56.0	2.0	-44.0	65
70	24.5	13.4	4.0	293	4.7	66.0	2.2	-28.0	70
75	24.3	13.3	3.4	291	4.5	66.0	1.8	-48.0	75
80	24.0	13.2	3.0	287	4.3	114.0	2.0	-50.0	80
85	23.7	13.1	2.8	285	4.1	88.0	2.3	-44.0	85
90	23.5	13.0	2.3	282	4.0	80.0	1.8	-62.0	90
95	23.4	12.9	2.4	277	3.9	78.0	1.3	-40.0	95
100	23.3	12.9	2.8	277	3.8	44.0	1.1	-46.0	100
125	22.4	12.6	3.7	241	3.3	32.4	1.4	-18.0	125
150	20.9	12.7	5.3	178	3.1	21.6	1.5	-15.2	150
175	19.7	12.3	5.0	176	2.9	12.4	1.8	-10.0	175
200	18.9	11.6	4.9	170	2.8	20.8	2.5	-12.0	200
225	18.1	11.1	4.4	139	2.7	11.2	2.3	-6.0	225
250	18.0	10.8	4.4	68	2.7	10.0	2.7	-5.2	250
275	14.4	12.4	9.3	3	2.7	5.2	2.3	-1.6	275


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 5 MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	27.9	20.8	9.4	366	3.8	0.0	0.0	0.0	0
5	27.9	20.7	9.4	366	3.8	70.0	1.8	-64.0	5
10	27.9	20.6	7.8	366	3.9	118.0	3.8	-70.0	10
15	27.9	20.2	5.7	366	4.1	114.0	6.6	-86.0	15
20	27.8	19.7	5.0	364	4.2	92.0	9.2	-58.0	20
25	27.8	19.2	4.9	362	4.3	110.0	11.1	-62.0	25
30	27.8	18.7	4.7	361	4.5	94.0	11.6	-26.0	30
35	27.8	18.0	4.4	359	4.6	92.0	13.2	-58.0	35
40	27.8	17.5	4.3	358	4.6	102.0	10.7	-40.0	40
45	27.7	17.0	4.3	356	4.6	94.0	10.7	-56.0	45
50	27.6	16.5	4.2	344	4.6	194.0	9.8	-74.0	50
55	27.2	16.0	4.1	342	4.4	120.0	10.1	-50.0	55
60	26.8	15.6	4.1	339	4.3	130.0	8.0	-70.0	60
65	26.6	15.3	4.2	326	4.2	60.0	6.4	-48.0	65
70	26.4	15.1	4.2	325	4.1	52.0	4.1	-48.0	70
75	26.0	14.9	4.3	325	4.0	88.0	3.9	-38.0	75
80	25.7	14.7	4.5	324	3.9	132.0	4.1	-48.0	80
85	25.3	14.6	5.3	324	3.7	92.0	2.7	-92.0	85
90	24.9	14.4	5.6	321	3.6	50.0	2.5	-40.0	90
95	24.5	14.4	6.2	316	3.5	60.0	2.2	-88.0	95
100	24.1	14.2	6.3	316	3.3	48.0	2.0	-46.0	100
125	22.4	13.7	5.8	279	2.8	22.4	2.4	-23.6	125
150	21.2	13.3	7.6	242	2.4	33.6	2.5	-13.2	150
175	19.8	12.7	6.8	228	2.2	21.6	2.3	-8.8	175
200	18.6	12.2	7.2	213	2.0	12.8	2.3	-11.2	200
225	18.4	11.5	6.9	169	2.1	20.0	3.1	-2.4	225
250	18.1	10.7	6.1	101	2.1	15.6	3.4	-0.4	250
275	14.4	9.9	5.2	21	2.0	4.0	2.4	0.0	275

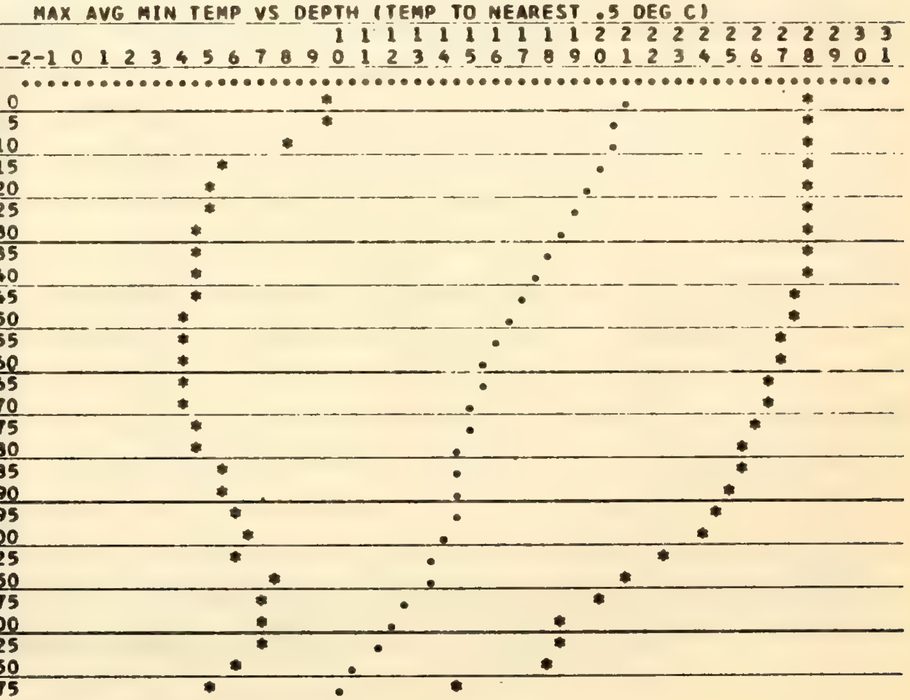
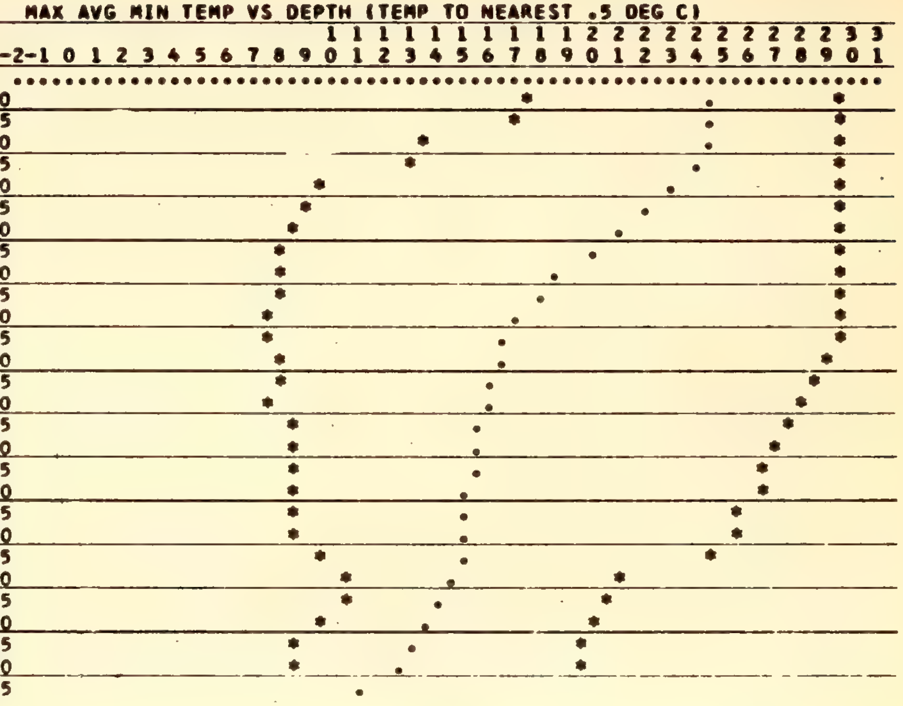

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 5 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.4	24.6	17.6	275	2.3	0.0	0.0	0.0	0
5	29.4	24.6	16.9	275	2.4	28.0	1.2	-24.0	5
10	29.4	24.5	13.3	275	2.6	80.0	2.5	-26.0	10
15	29.4	24.1	12.9	275	3.1	156.0	8.1	-46.0	15
20	29.4	23.2	9.7	274	3.5	80.0	16.1	-24.0	20
25	29.4	22.1	9.2	273	3.8	106.0	22.5	-20.0	25
30	29.4	21.0	8.5	272	4.2	152.0	22.7	-40.0	30
35	29.4	19.8	7.9	272	4.5	92.0	23.6	-28.0	35
40	29.4	18.7	7.8	269	4.6	120.0	21.8	-40.0	40
45	29.4	17.8	7.9	269	4.6	84.0	17.3	-62.0	45
50	29.4	17.1	7.5	265	4.6	98.0	14.4	-26.0	50
55	29.4	16.6	7.6	265	4.5	110.0	10.9	-54.0	55
60	29.2	16.4	7.8	264	4.3	50.0	4.9	-62.0	60
65	28.3	16.0	7.9	256	4.1	100.0	5.2	-30.0	65
70	27.9	15.8	7.7	255	4.0	70.0	4.4	-50.0	70
75	27.7	15.6	8.4	253	3.9	62.0	4.3	-30.0	75
80	27.1	15.4	8.6	252	3.7	32.0	3.5	-24.0	80
85	26.7	15.3	8.4	246	3.6	48.0	3.0	-38.0	85
90	26.3	15.2	8.3	240	3.5	48.0	3.1	-32.0	90
95	25.7	15.2	8.4	222	3.3	42.0	2.5	-52.0	95
100	25.5	15.0	8.4	222	3.3	32.0	2.7	-30.0	100
125	24.4	14.8	9.5	163	2.7	9.2	2.7	-16.8	125
150	21.0	14.7	10.6	110	2.6	7.6	2.4	-3.6	150
175	20.3	14.2	10.5	106	2.7	12.0	2.5	-3.6	175
200	20.0	13.6	9.5	103	2.9	8.4	2.5	0.0	200
225	19.7	13.1	8.6	91	3.0	9.2	2.5	-2.0	225
250	19.4	12.4	8.6	37	3.5	5.6	2.3	0.0	250
275	10.9	10.9	10.9	1	0.0	2.0	2.0	2.0	275


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 5 MONTH 8

DEPTH METERS	MAX	AVG	MIN.	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.1	25.0	16.3	488	2.1	0.0	0.0	0.0	0
5	30.0	25.0	16.3	488	2.1	32.0	0.5	-16.0	5
10	29.9	25.0	16.3	488	2.1	72.0	1.0	-32.0	10
15	29.8	24.7	15.2	488	2.5	114.0	4.5	-32.0	15
20	29.8	24.3	12.8	488	3.0	130.0	8.2	-64.0	20
25	29.5	23.6	11.0	488	3.7	168.0	13.9	-42.0	25
30	29.3	22.6	9.2	488	4.2	146.0	19.8	-38.0	30
35	29.0	21.4	7.8	486	4.8	136.0	24.0	-20.0	35
40	28.8	20.4	7.5	486	5.1	122.0	21.3	-48.0	40
45	28.8	19.5	6.4	485	5.3	104.0	18.1	-36.0	45
50	28.8	18.7	6.0	485	5.4	118.0	15.4	-32.0	50
55	28.7	18.1	5.8	481	5.3	104.0	12.6	-72.0	55
60	28.7	17.7	5.2	480	5.3	72.0	8.8	-48.0	60
65	28.7	17.3	4.9	477	5.2	68.0	8.4	-54.0	65
70	28.6	17.0	4.8	477	5.0	70.0	6.9	-40.0	70
75	28.4	16.7	4.9	475	4.9	74.0	6.0	-24.0	75
80	28.3	16.4	5.0	473	4.7	46.0	5.4	-36.0	80
85	28.2	16.2	5.0	473	4.5	66.0	4.2	-36.0	85
90	27.9	16.0	5.2	470	4.4	50.0	3.8	-30.0	90
95	26.9	15.8	5.7	467	4.2	46.0	4.1	-50.0	95
100	26.7	15.6	5.9	467	4.1	36.0	3.6	-24.0	100
125	24.4	14.7	7.5	448	3.5	29.2	3.5	-8.0	125
150	22.1	14.0	7.5	408	3.2	24.0	3.0	-3.6	150
175	21.2	13.5	7.1	395	3.1	18.0	2.6	-6.0	175
200	20.0	12.8	6.5	380	3.2	16.0	2.8	-6.8	200
225	19.4	12.3	6.1	337	3.2	8.8	2.6	-2.8	225
250	20.7	11.8	5.5	193	3.5	9.6	2.4	-40.8	250
275	18.0	9.6	7.6	10	3.0	5.6	3.1	1.6	275

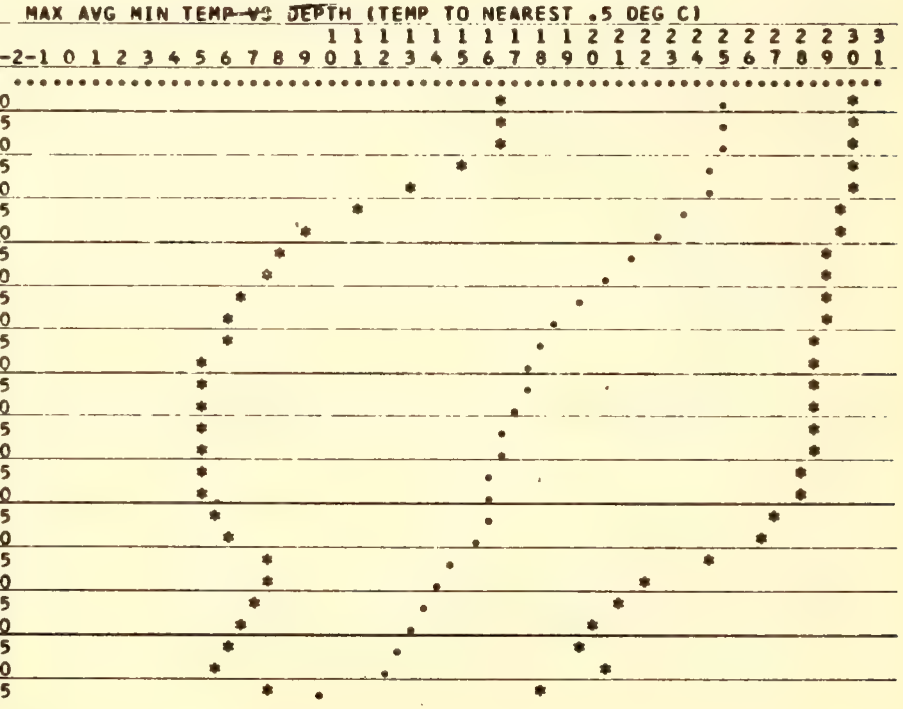

MAX AVG MIN TEMP ~~VS~~ DEPTH (TEMP TO NEAREST .5 DEG C)

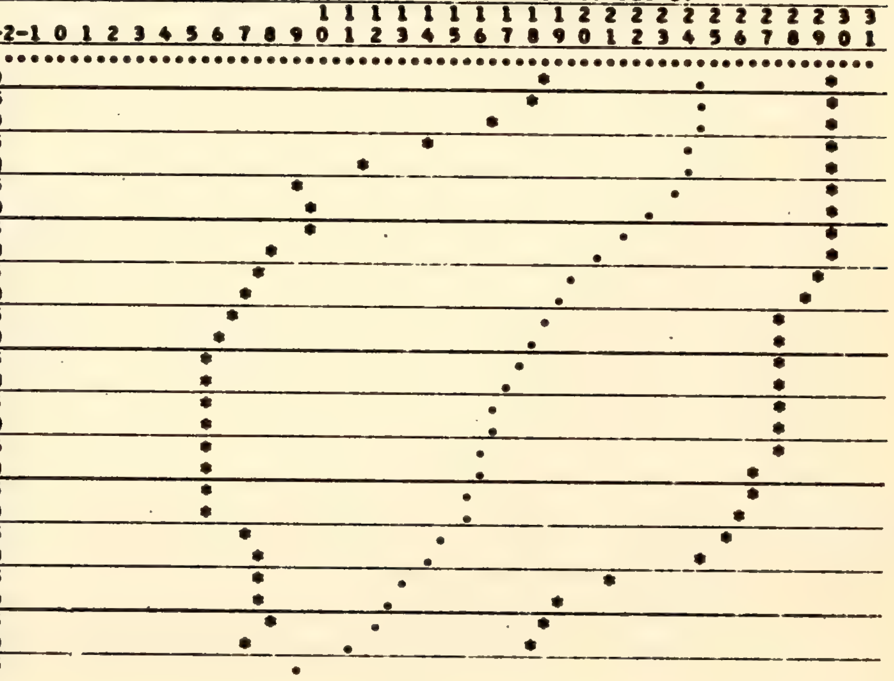
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 5 MONTH 9

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	29.4	24.3	18.3	229	2.3	0.0	0.0	0.0	0
5	29.5	24.3	18.0	229	2.3	22.0	0.5	-10.0	5
10	29.5	24.3	16.5	229	2.4	36.0	0.3	-18.0	10
15	29.6	24.2	13.9	229	2.5	90.0	1.8	-34.0	15
20	29.6	23.9	11.6	229	2.9	188.0	6.1	-18.0	20
25	29.7	23.4	9.1	229	3.4	90.0	10.0	-20.0	25
30	29.6	22.6	9.3	229	3.9	130.0	14.9	-30.0	30
35	29.6	21.6	9.3	229	4.5	110.0	20.5	-36.0	35
40	29.6	20.6	8.0	229	5.0	126.0	21.0	-30.0	40
45	29.1	19.7	7.3	229	5.2	120.0	16.8	-50.0	45
50	28.3	19.1	6.8	227	5.3	88.0	12.3	-38.0	50
55	27.7	18.4	6.3	222	5.2	66.0	13.7	-60.0	55
60	27.7	17.9	5.9	221	5.0	122.0	9.9	-64.0	60
65	27.6	17.4	5.7	214	4.9	96.0	8.2	-54.0	65
70	27.6	17.1	5.6	214	4.8	62.0	7.4	-32.0	70
75	27.6	16.7	5.4	213	4.8	90.0	6.8	-20.0	75
80	27.5	16.5	5.3	211	4.6	48.0	4.6	-32.0	80
85	27.3	16.2	5.4	207	4.4	74.0	4.5	-36.0	85
90	26.7	15.9	5.5	206	4.2	70.0	4.8	-28.0	90
95	26.4	15.7	5.5	205	4.0	64.0	5.3	-32.0	95
100	26.2	15.5	5.7	205	3.8	38.0	3.5	-60.0	100
125	25.3	14.6	7.2	174	3.4	30.8	4.0	-6.4	125
150	24.4	13.9	7.6	150	3.1	18.0	3.2	-10.8	150
175	20.8	13.1	7.4	145	2.8	20.0	3.4	-3.6	175
200	19.2	12.5	7.4	133	2.8	11.6	3.1	-1.6	200
225	18.5	11.8	7.8	105	2.9	11.2	3.3	-0.4	225
250	17.9	10.8	7.1	60	3.0	7.6	2.5	-2.8	250
275	9.0	9.0	9.0	1	0.0	2.4	2.4	2.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 5 MONTH 10

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	27.5	21.3	12.7	244	3.5	0.0	0.0	0.0	0
5	27.5	21.3	12.7	244	3.5	10.0	-0.1	-14.0	5
10	27.5	21.3	12.6	244	3.5	10.0	-0.4	-28.0	10
15	27.5	21.4	12.6	244	3.4	12.0	-0.7	-26.0	15
20	27.5	21.4	12.5	243	3.4	32.0	-1.3	-42.0	20
25	27.5	21.4	12.8	241	3.4	98.0	-0.1	-58.0	25
30	27.5	21.3	10.3	241	3.5	190.0	2.9	-66.0	30
35	27.5	20.8	8.5	238	3.8	130.0	8.3	-28.0	35
40	27.5	20.0	8.0	236	4.2	142.0	15.8	-36.0	40
45	27.5	19.0	7.7	236	4.8	168.0	20.5	-30.0	45
50	27.5	18.1	7.7	233	5.2	154.0	18.5	-50.0	50
55	27.5	17.5	7.3	227	5.3	136.0	12.4	-50.0	55
60	27.5	16.9	7.6	225	5.3	112.0	12.3	-38.0	60
65	27.4	16.2	7.2	209	5.4	90.0	11.4	-50.0	65
70	27.2	15.9	7.0	208	5.3	58.0	5.3	-34.0	70
75	27.2	15.8	7.0	206	5.1	68.0	3.8	-36.0	75
80	27.2	15.7	7.1	202	5.0	86.0	2.2	-48.0	80
85	27.2	15.6	7.2	199	4.9	24.0	2.7	-28.0	85
90	27.2	15.4	7.3	198	4.7	34.0	2.7	-36.0	90
95	27.2	15.3	7.6	194	4.6	28.0	2.4	-32.0	95
100	27.0	15.2	7.7	194	4.4	48.0	3.0	-48.0	100
125	25.6	14.4	8.0	182	4.1	14.8	3.2	-11.2	125
150	24.4	13.6	8.2	171	3.9	27.2	3.6	-8.4	150
175	23.1	12.7	7.7	169	3.8	15.2	3.4	-1.6	175
200	22.0	12.3	7.2	134	3.9	15.2	2.9	-1.2	200
225	20.6	12.1	6.3	105	4.0	9.6	2.8	0.0	225
250	19.6	10.4	6.3	62	3.5	13.6	3.0	0.8	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

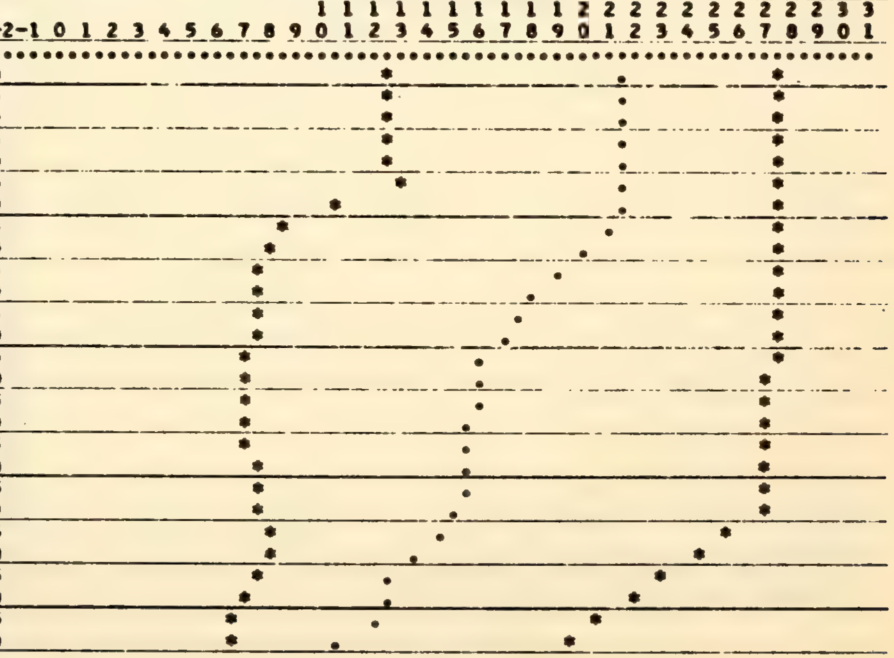
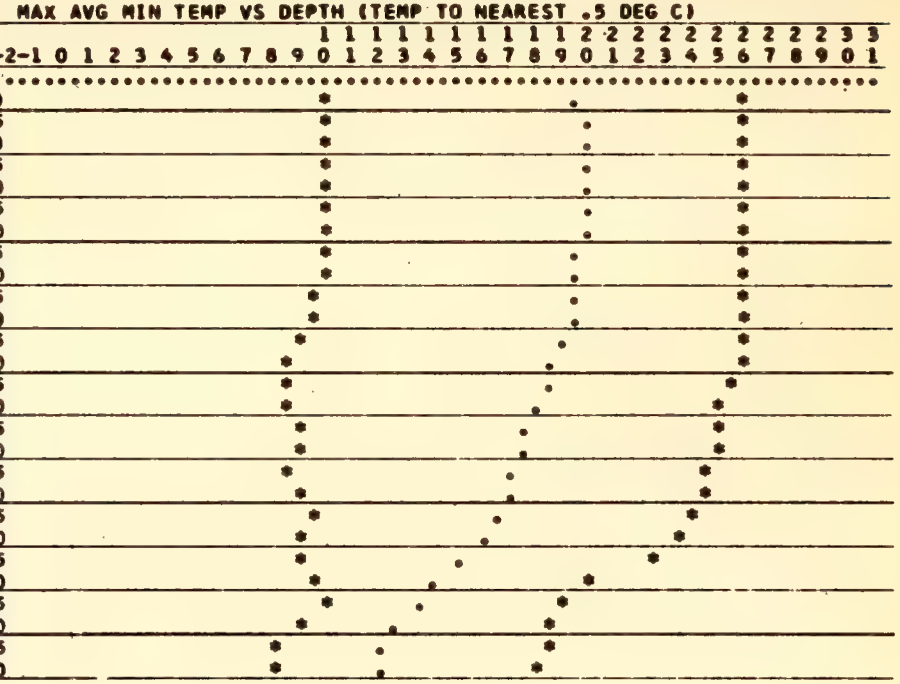


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 5 · MONTH 11

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	26.0	19.7	9.8	188	3.8	0.0	0.0	0.0	0
5	26.0	19.8	9.8	188	3.7	4.0	-0.2	-18.0	5
10	26.0	19.8	9.8	188	3.7	12.0	-0.2	-56.0	10
15	25.9	19.8	9.8	188	3.7	26.0	0.0	-46.0	15
20	25.9	19.8	9.8	188	3.6	24.0	-0.2	-26.0	20
25	25.9	19.8	9.8	188	3.5	20.0	-0.1	-28.0	25
30	25.9	19.8	9.8	188	3.4	32.0	-0.0	-46.0	30
35	25.9	19.7	9.9	188	3.3	52.0	0.6	-30.0	35
40	25.9	19.7	9.9	187	3.2	52.0	1.3	-36.0	40
45	25.9	19.6	9.6	187	3.2	54.0	2.2	-32.0	45
50	25.9	19.4	9.3	186	3.3	66.0	3.0	-26.0	50
55	25.8	19.1	9.1	185	3.5	62.0	5.4	-28.0	55
60	25.8	18.7	8.7	183	3.7	64.0	7.8	-14.0	60
65	25.7	18.4	8.6	179	3.8	50.0	6.6	-40.0	65
70	25.1	18.1	8.7	179	3.7	68.0	6.2	-70.0	70
75	24.8	17.7	8.9	179	3.7	64.0	6.3	-24.0	75
80	24.8	17.5	8.9	179	3.7	50.0	5.2	-26.0	80
85	24.4	17.2	8.6	179	3.6	98.0	5.2	-38.0	85
90	24.4	16.9	9.2	178	3.4	66.0	6.6	-22.0	90
95	24.2	16.6	9.3	177	3.3	68.0	7.5	-58.0	95
100	23.4	16.2	9.1	177	3.1	74.0	6.6	-28.0	100
125	22.3	15.0	8.9	168	2.6	27.2	5.1	-18.4	125
150	19.9	14.0	9.3	161	2.4	21.6	3.9	-2.8	150
175	18.9	13.3	9.8	151	2.4	7.6	3.2	-2.0	175
200	18.6	12.5	8.9	141	2.5	10.0	3.3	-2.0	200
225	18.3	12.0	8.0	109	2.9	7.6	2.9	0.4	225
250	18.1	11.9	8.2	84	3.0	5.6	2.7	-0.4	250


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 5 MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	24.2	15.1	6.8	148	3.9	0.0	0.0	0.0	0
5	24.2	15.1	6.8	148	3.9	8.0	-0.3	-10.0	5
10	24.2	15.1	6.8	148	3.9	10.0	-0.3	-26.0	10
15	24.2	15.2	6.8	148	3.8	12.0	-0.5	-26.0	15
20	24.3	15.2	6.9	148	3.8	12.0	-1.0	-40.0	20
25	24.3	15.2	6.9	148	3.7	24.0	-0.8	-42.0	25
30	24.3	15.3	7.0	146	3.6	34.0	-0.1	-20.0	30
35	24.3	15.4	6.9	142	3.6	26.0	-0.5	-32.0	35
40	24.3	15.4	6.9	140	3.5	26.0	-0.7	-36.0	40
45	24.3	15.4	6.7	139	3.5	200.0	0.8	-26.0	45
50	24.2	15.5	6.8	138	3.3	18.0	-1.9	-200.0	50
55	24.2	15.4	6.8	137	3.3	108.0	0.8	-46.0	55
60	24.1	15.3	6.8	131	3.3	38.0	1.8	-54.0	60
65	24.0	15.2	6.8	97	3.8	62.0	3.9	-20.0	65
70	23.9	15.0	6.8	97	3.8	48.0	3.9	-26.0	70
75	23.7	14.9	6.8	97	3.8	68.0	2.9	-40.0	75
80	23.4	14.7	6.4	97	3.9	54.0	3.2	-24.0	80
85	23.1	14.6	5.4	96	3.9	28.0	1.6	-28.0	85
90	23.1	14.5	5.4	94	4.0	38.0	3.0	-26.0	90
95	23.0	14.4	5.4	93	3.9	36.0	2.7	-42.0	95
100	22.7	14.2	5.4	93	3.8	46.0	3.4	-22.0	100
125	21.4	13.3	7.0	91	3.1	17.2	3.4	-10.4	125
150	20.3	12.6	7.0	79	2.7	9.2	2.8	-7.6	150
175	19.3	11.9	7.5	75	2.5	10.8	2.8	-2.4	175
200	18.8	11.2	7.5	67	2.4	8.4	2.7	-2.0	200
225	18.4	10.5	7.2	47	2.2	4.8	2.3	-1.6	225
250	12.5	9.2	6.8	28	1.4	6.8	2.7	-1.2	250
275	11.0	10.3	9.7	2	0.9	3.6	3.2	2.8	275

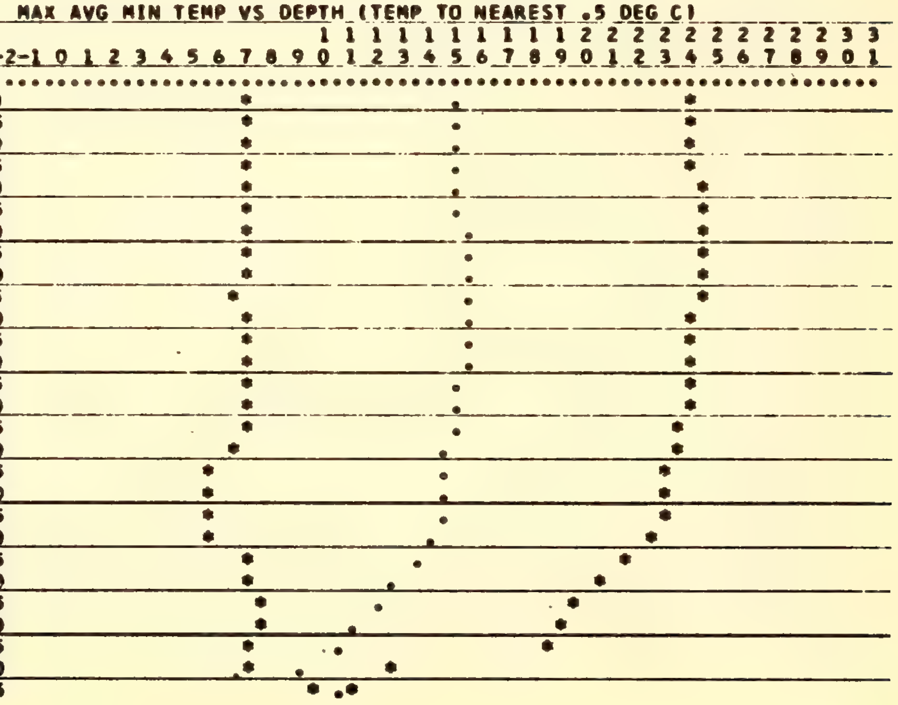

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

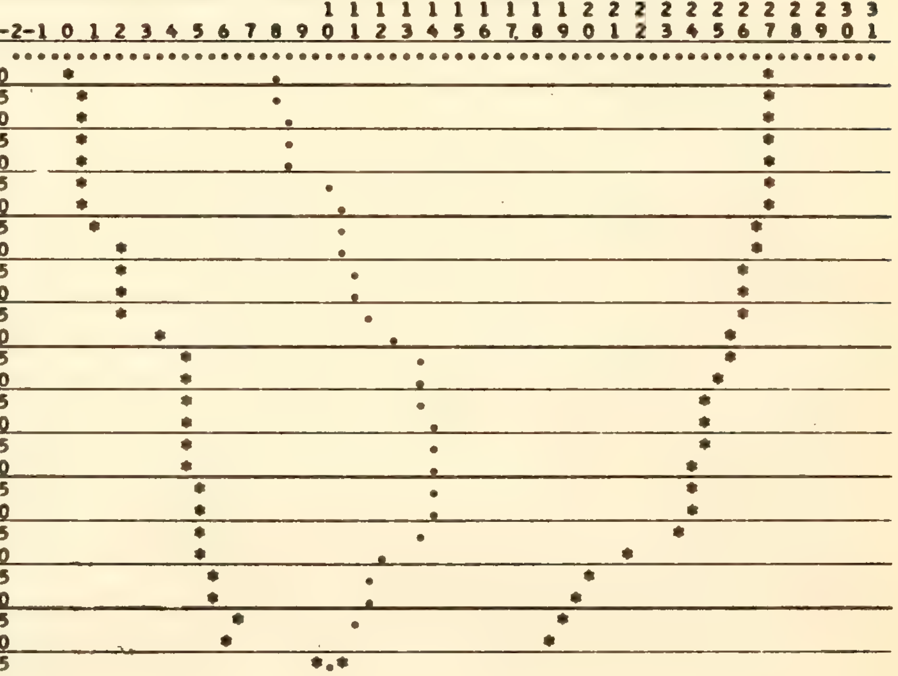
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 6 MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.1	8.2	0.2	1008	5.3	0.0	0.0	0.0	0
5	27.1	8.2	0.3	1006	5.3	26.0	-0.4	-40.0	5
10	27.1	8.3	0.7	990	5.2	24.0	-1.3	-84.0	10
15	27.1	8.6	0.7	884	5.3	120.0	-1.2	-78.0	15
20	27.1	8.7	0.7	820	5.3	62.0	-1.0	-68.0	20
25	27.1	9.9	0.7	628	5.4	74.0	-0.5	-80.0	25
30	27.0	10.3	0.6	560	5.4	18.0	-0.9	-88.0	30
35	26.7	10.7	1.1	497	5.4	38.0	-0.2	-48.0	35
40	26.4	10.7	2.2	441	5.5	18.0	-0.2	-46.0	40
45	26.2	10.9	2.1	412	5.6	20.0	-0.1	-30.0	45
50	26.1	11.2	2.1	373	5.7	18.0	-0.0	-60.0	50
55	25.9	11.7	2.1	324	5.7	32.0	0.4	-36.0	55
60	25.7	12.4	3.7	271	5.6	18.0	0.6	-20.0	60
65	25.3	13.4	4.5	224	5.2	90.0	1.2	-16.0	65
70	24.9	13.4	4.6	216	5.2	48.0	1.2	-12.0	70
75	24.7	13.5	4.6	207	5.1	30.0	0.8	-30.0	75
80	24.5	13.8	4.6	190	4.9	18.0	0.7	-24.0	80
85	24.3	13.8	4.6	185	4.8	18.0	0.9	-24.0	85
90	24.1	13.9	4.7	180	4.8	24.0	0.9	-16.0	90
95	23.9	13.9	4.8	169	4.8	28.0	0.6	-28.0	95
100	23.9	13.8	4.9	169	4.8	18.0	0.5	-24.0	100
125	23.7	13.5	5.0	136	4.5	10.4	0.9	-13.2	125
150	21.5	11.9	4.9	97	3.6	19.2	1.8	-5.6	150
175	20.1	11.6	5.5	86	3.3	9.2	2.2	-4.0	175
200	19.4	11.4	5.6	70	3.0	9.6	2.6	-5.6	200
225	18.8	10.9	6.3	55	3.0	13.2	3.1	-1.2	225
250	18.4	10.0	6.1	44	2.6	8.8	2.8	-4.0	250
275	10.5	10.0	9.6	2	0.6	8.8	4.2	-0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 6 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.2	6.2	-0.5	913	5.5	0.0	0.0	0.0	0
5	24.2	6.3	-0.4	892	5.6	26.0	0.1	-24.0	5
10	24.2	6.3	-0.3	872	5.6	46.0	-0.2	-70.0	10
15	24.2	6.6	-0.3	758	5.8	96.0	-0.2	-40.0	15
20	24.2	6.6	1.0	708	5.8	36.0	-0.2	-36.0	20
25	24.2	7.7	1.1	538	6.3	50.0	0.1	-20.0	25
30	24.2	8.4	1.1	459	6.4	58.0	0.5	-16.0	30
35	24.2	9.0	1.2	405	6.6	46.0	0.6	-28.0	35
40	24.2	9.2	1.2	387	6.6	30.0	0.5	-20.0	40
45	24.2	9.3	1.2	368	6.6	36.0	0.5	-14.0	45
50	24.2	9.6	1.2	350	6.6	32.0	0.4	-28.0	50
55	24.2	10.3	1.2	310	6.7	34.0	0.4	-26.0	55
60	24.2	10.7	1.2	284	6.6	24.0	0.6	-24.0	60
65	24.2	11.7	1.2	241	6.3	20.0	0.8	-28.0	65
70	24.2	11.7	1.2	238	6.3	30.0	1.0	-20.0	70
75	24.1	11.9	1.2	221	6.2	30.0	1.5	-16.0	75
80	24.0	12.2	1.2	211	6.0	42.0	2.0	-18.0	80
85	23.4	12.2	1.2	208	5.9	30.0	0.6	-40.0	85
90	23.2	12.6	2.9	195	5.7	22.0	0.5	-36.0	90
95	22.9	12.8	3.0	178	5.6	28.0	1.3	-10.0	95
100	22.8	12.7	3.1	178	5.6	26.0	0.6	-14.0	100
125	22.1	12.8	3.2	149	5.3	12.8	0.6	-10.4	125
150	21.3	13.1	3.5	126	4.9	14.4	1.2	-12.4	150
175	21.3	13.5	5.1	110	4.3	13.2	1.8	-8.4	175
200	20.9	13.0	5.0	95	3.9	11.6	2.8	-11.6	200
225	19.1	12.2	4.8	57	3.7	13.2	2.4	-34.0	225
250	18.6	10.5	4.6	34	3.2	38.8	3.6	-3.6	250
275	18.4	12.9	9.4	6	4.0	3.2	1.2	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

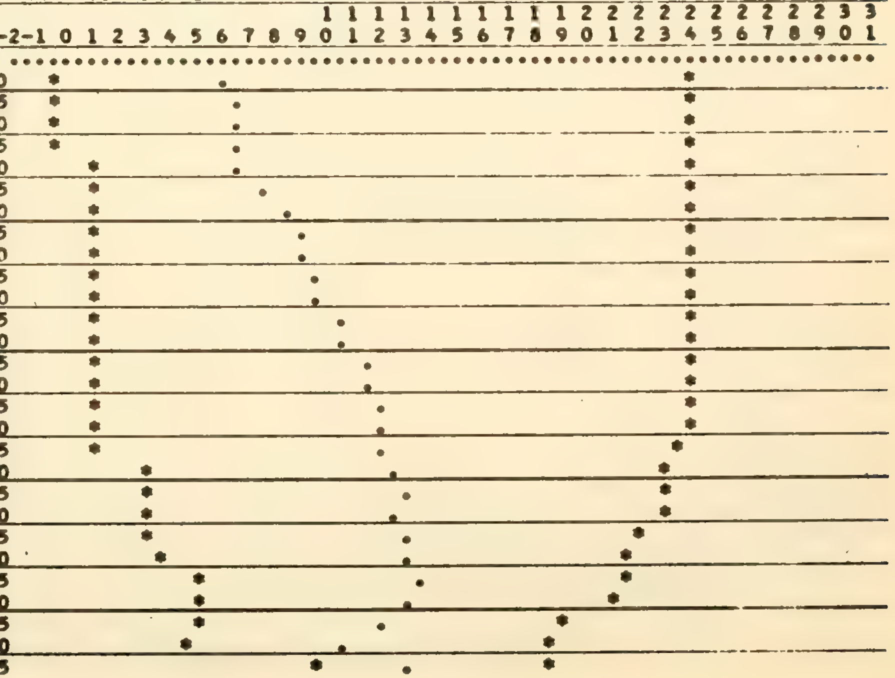
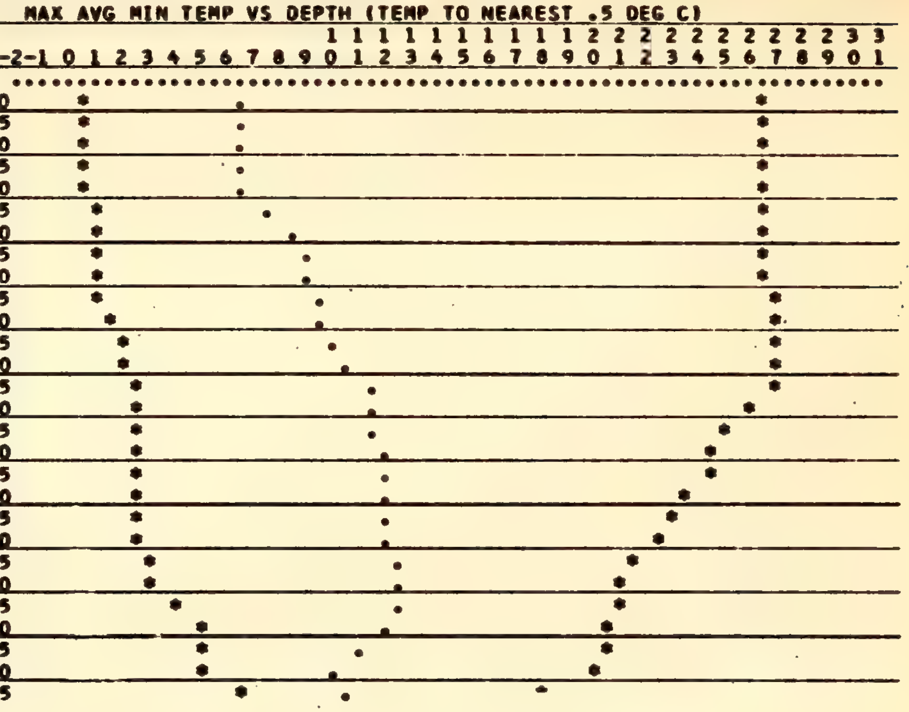


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 6 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.7	6.6	0.7	1273	5.3	0.0	0.0	0.0	0
5	26.7	6.5	0.7	1265	5.3	62.0	1.8	-132.0	5
10	26.7	6.6	0.7	1237	5.4	58.0	0.8	-68.0	10
15	26.7	6.7	0.7	1106	5.6	36.0	-0.1	-140.0	15
20	26.7	6.7	0.7	1058	5.7	56.0	-0.3	-64.0	20
25	26.7	7.5	1.2	853	6.0	92.0	-0.5	-94.0	25
30	26.7	8.4	1.2	706	6.3	50.0	-0.4	-46.0	30
35	26.7	8.9	1.2	625	6.5	22.0	-0.6	-50.0	35
40	26.7	9.1	1.2	596	6.6	30.0	-0.6	-42.0	40
45	26.8	9.3	1.2	570	6.6	20.0	-0.7	-66.0	45
50	26.8	9.6	1.5	545	6.5	34.0	-0.5	-44.0	50
55	26.8	10.0	2.1	496	6.5	34.0	-0.4	-32.0	55
60	26.8	10.5	2.1	443	6.4	26.0	-0.1	-26.0	60
65	26.8	11.4	2.5	382	6.3	56.0	0.1	-30.0	65
70	26.0	11.5	2.4	373	6.2	42.0	0.2	-40.0	70
75	25.1	11.7	2.5	360	6.1	22.0	0.4	-34.0	75
80	24.5	12.0	2.4	343	6.0	32.0	0.0	-36.0	80
85	24.4	12.1	2.4	332	5.8	32.0	0.3	-38.0	85
90	23.7	12.1	2.4	319	5.7	34.0	0.7	-30.0	90
95	23.1	12.2	2.5	308	5.6	16.0	0.7	-18.0	95
100	22.3	12.2	2.5	308	5.5	26.0	0.8	-28.0	100
125	21.5	12.3	2.8	246	5.0	10.0	0.8	-15.2	125
150	21.2	12.4	2.9	193	4.6	8.8	1.1	-8.4	150
175	21.1	12.4	4.1	166	3.9	11.2	2.0	-13.2	175
200	20.7	11.9	4.9	151	3.5	11.2	2.6	-4.0	200
225	20.6	11.0	5.1	122	3.4	12.8	2.6	-6.0	225
250	20.1	10.0	5.1	88	3.6	7.2	2.8	-0.8	250
275	18.2	10.5	6.5	6	4.2	9.2	2.8	-0.4	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 6 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.7	9.9	2.2	1418	5.5	0.0	0.0	0.0	0
5	26.2	9.7	2.1	1416	5.6	108.0	4.0	-86.0	5
10	25.9	9.5	1.9	1393	5.7	70.0	3.2	-116.0	10
15	25.5	9.3	2.1	1292	5.9	74.0	3.1	-152.0	15
20	25.5	9.3	2.2	1238	6.0	90.0	2.2	-88.0	20
25	25.5	10.1	2.1	1014	6.3	106.0	0.7	-66.0	25
30	25.5	10.6	2.4	907	6.4	118.0	0.4	-104.0	30
35	25.5	11.2	1.9	807	6.5	108.0	0.8	-84.0	35
40	25.5	11.3	1.6	779	6.4	108.0	1.1	-60.0	40
45	25.4	11.4	1.3	757	6.4	154.0	0.8	-104.0	45
50	25.4	11.5	1.2	728	6.3	80.0	0.5	-196.0	50
55	25.5	11.5	1.4	681	6.2	200.0	1.4	-74.0	55
60	25.5	11.8	1.7	639	6.0	56.0	1.2	-114.0	60
65	25.5	12.5	1.9	566	5.7	62.0	1.6	-34.0	65
70	25.5	12.5	1.9	555	5.6	130.0	1.2	-52.0	70
75	25.5	12.6	2.0	544	5.4	54.0	0.7	-40.0	75
80	25.5	12.7	2.0	529	5.2	46.0	0.4	-46.0	80
85	25.6	12.7	1.9	520	5.1	98.0	0.4	-74.0	85
90	25.6	12.8	2.0	504	4.9	60.0	-0.1	-40.0	90
95	25.5	12.9	2.2	481	4.8	50.0	0.3	-26.0	95
100	25.5	12.9	2.4	481	4.7	46.0	0.3	-58.0	100
125	24.8	13.1	3.0	405	4.3	28.0	0.4	-32.8	125
150	24.1	13.0	3.3	317	4.1	28.0	1.1	-30.8	150
175	23.4	12.8	3.4	281	3.7	20.8	2.0	-20.0	175
200	22.6	12.4	4.3	263	3.4	10.4	2.3	-11.2	200
225	22.2	12.0	4.3	209	3.4	15.2	2.8	-1.6	225
250	21.7	11.7	3.8	136	3.6	15.6	2.8	-0.8	250
275	17.3	17.3	17.3	2	0.0	3.2	2.4	1.6	275

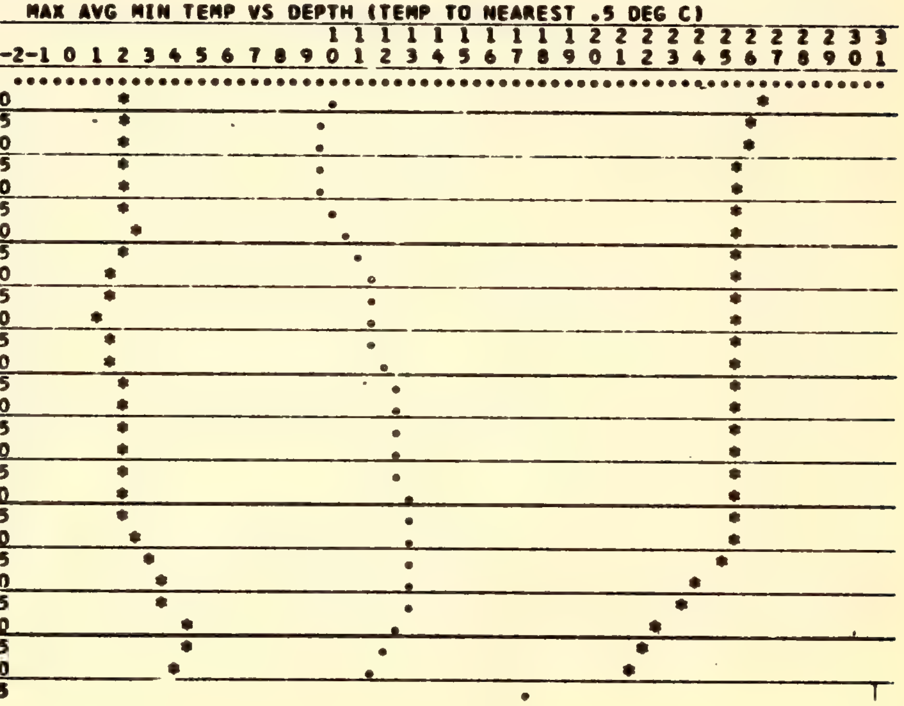


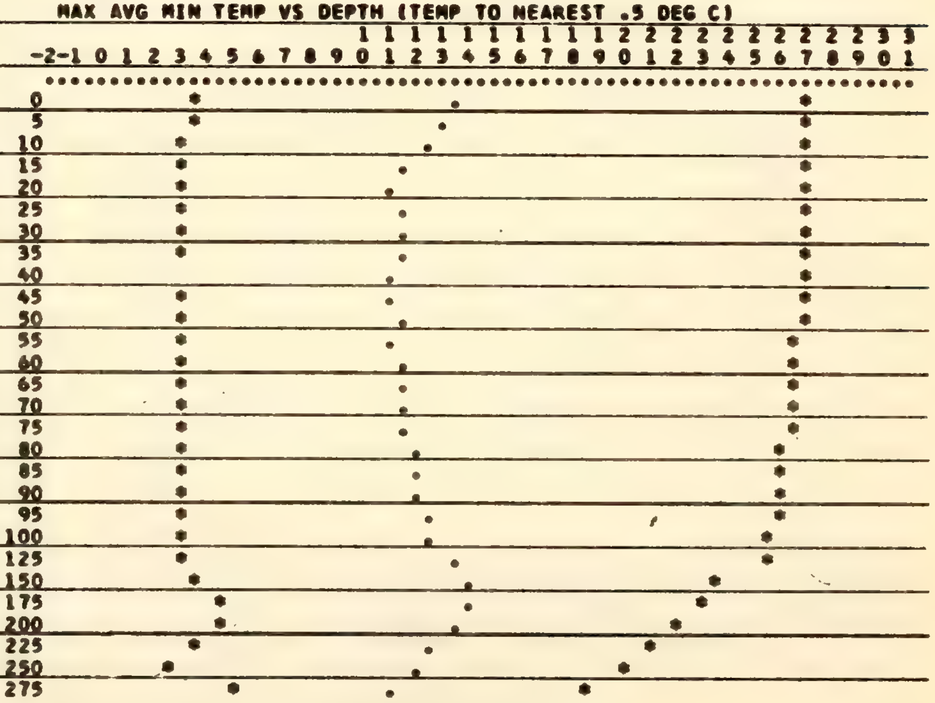
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 6   MONTH 5

DEPTH						GRADIENT		
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN
0	26.9	13.3	3.6	1748	5.4	0.0	0.0	0.0
5	27.0	13.0	3.4	1746	5.5	142.0	7.1	-62.0
10	27.1	12.4	3.1	1707	5.7	136.0	11.4	-102.0
15	27.1	11.6	3.1	1580	6.1	154.0	15.5	-80.0
20	27.1	11.1	2.9	1496	6.4	162.0	10.4	-68.0
25	27.1	11.4	2.9	1227	6.8	156.0	8.5	-66.0
30	27.1	11.4	2.8	1097	7.1	216.0	8.1	-42.0
35	27.1	11.4	3.0	1023	7.2	160.0	5.8	-72.0
40	27.1	11.2	-2.6	987	7.2	284.0	4.8	-62.0
45	27.1	11.2	3.0	959	7.1	178.0	3.2	-88.0
50	26.9	11.3	3.0	907	7.1	70.0	1.9	-88.0
55	26.7	11.2	2.9	833	6.9	152.0	2.1	-60.0
60	26.7	11.3	2.8	804	6.8	146.0	1.5	-92.0
65	26.6	11.6	2.8	726	6.7	126.0	0.6	-98.0
70	26.6	11.6	2.8	711	6.5	62.0	0.5	-86.0
75	26.4	11.7	2.8	677	6.4	54.0	0.1	-86.0
80	26.2	11.8	2.8	651	6.2	100.0	0.5	-52.0
85	26.1	11.9	2.8	634	6.0	64.0	-0.7	-68.0
90	26.0	12.1	2.9	615	5.8	40.0	-0.9	-50.0
95	25.9	12.5	3.0	568	5.7	52.0	0.3	-42.0
100	25.7	12.5	3.1	568	5.6	44.0	0.4	-34.0
125	25.4	13.4	3.2	404	4.9	29.2	1.2	-21.2
150	23.6	13.9	3.6	269	4.6	18.0	1.9	-10.8
175	22.8	13.8	4.4	252	4.0	14.8	2.1	-14.4
200	22.1	13.4	4.4	240	3.8	12.4	2.6	-3.2
225	21.1	12.7	3.7	220	3.7	34.4	3.0	-1.2
250	20.0	11.8	2.7	185	3.8	18.8	3.1	-4.0
275	18.4	10.9	4.8	110	3.1	10.8	3.1	-3.6

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 6   MONTH 6

DEPTH						GRADIENT		
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN
0	29.2	18.1	6.0	1534	4.8	0.0	0.0	0.0
5	29.2	17.5	4.7	1533	5.0	196.0	11.1	-96.0
10	29.2	16.2	3.9	1480	5.4	216.0	25.5	-84.0
15	29.2	14.5	2.8	1345	6.2	212.0	34.1	-66.0
20	29.1	13.4	2.7	1250	6.6	250.0	23.3	-136.0
25	29.1	13.5	2.7	1022	7.1	136.0	14.8	-94.0
30	29.1	13.4	2.4	896	7.4	156.0	11.5	-60.0
35	29.1	13.5	2.3	767	7.7	120.0	10.1	-52.0
40	29.1	13.3	2.0	736	7.7	156.0	8.1	-54.0
45	28.7	13.1	1.6	715	7.5	174.0	6.3	-44.0
50	28.1	13.1	1.3	677	7.5	154.0	4.4	-38.0
55	27.2	13.2	1.2	618	7.4	100.0	3.2	-84.0
60	26.9	13.2	1.2	574	7.2	82.0	2.7	-94.0
65	26.6	13.7	1.2	505	7.2	84.0	3.1	-66.0
70	26.3	13.7	1.2	497	6.9	134.0	3.2	-32.0
75	26.1	14.0	1.2	471	6.8	76.0	2.4	-72.0
80	26.0	14.1	1.2	446	6.6	72.0	2.3	-34.0
85	25.9	14.2	1.2	427	6.4	42.0	2.0	-58.0
90	25.8	14.3	1.2	412	6.2	58.0	2.1	-48.0
95	24.6	14.7	1.3	378	5.7	46.0	2.1	-56.0
100	24.3	14.5	1.4	378	5.5	50.0	2.6	-40.0
125	23.3	14.6	3.0	293	4.5	24.4	3.1	-25.2
150	22.7	14.5	2.9	226	4.3	13.6	3.0	-7.6
175	21.2	14.4	5.2	199	3.8	12.4	2.9	-3.6
200	20.8	14.0	5.4	180	3.8	10.0	2.7	-5.6
225	20.1	13.2	6.4	142	3.8	12.8	2.6	0.0
250	18.4	12.5	6.7	65	3.3	6.8	2.6	-1.2
275	9.9	9.7	9.5	3	0.2	4.0	2.8	2.0

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

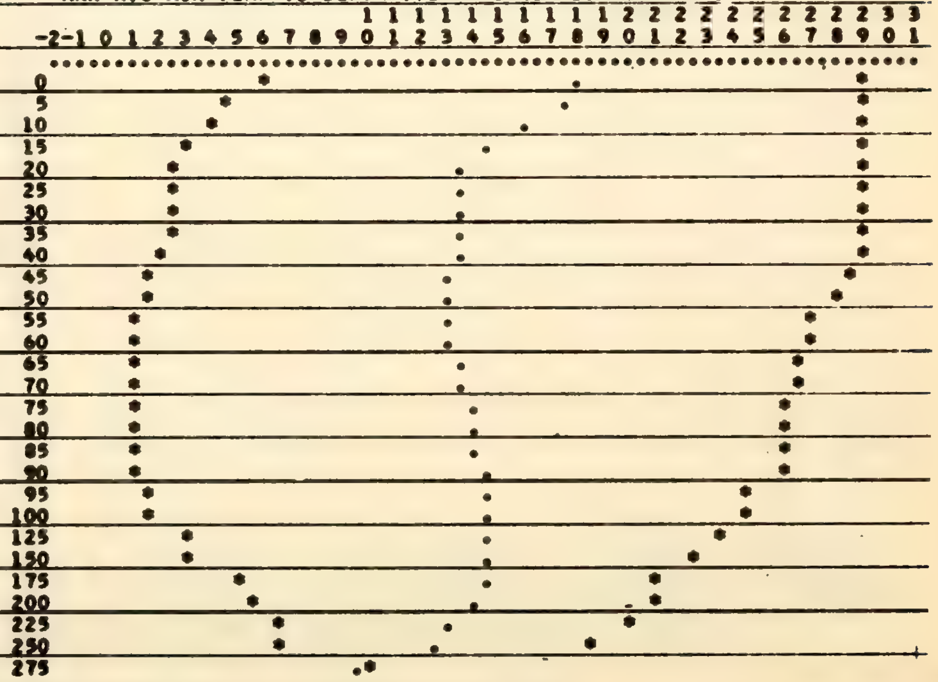


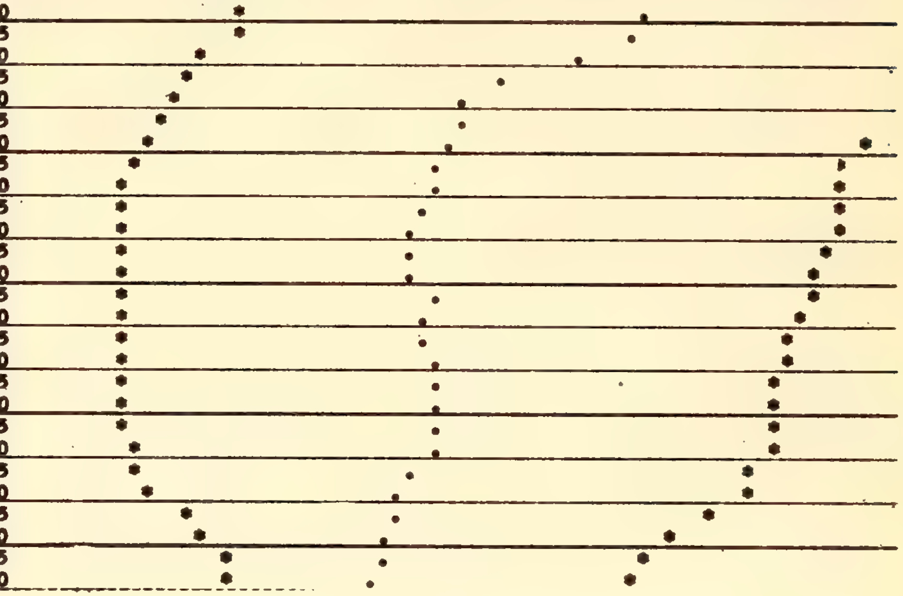
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 6 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.8	22.2	6.7	1542	3.6	0.0	0.0	0.0	0
5	30.8	21.5	6.4	1541	3.9	234.0	13.7	-68.0	5
10	30.8	19.5	5.1	1476	5.1	220.0	39.1	-60.0	10
15	30.8	16.7	4.6	1334	6.3	256.0	58.5	-46.0	15
20	30.8	14.8	3.9	1227	6.8	268.0	40.6	-102.0	20
25	30.8	14.9	3.7	934	7.3	236.0	24.5	-52.0	25
30	30.6	14.6	3.2	796	7.5	224.0	18.7	-76.0	30
35	29.5	14.2	2.7	718	7.5	170.0	17.0	-44.0	35
40	29.5	13.9	2.2	675	7.4	130.0	12.7	-36.0	40
45	29.5	13.6	2.2	641	7.3	142.0	9.8	-66.0	45
50	29.4	13.2	2.1	608	7.1	130.0	7.6	-44.0	50
55	28.9	13.1	2.0	572	7.0	132.0	5.0	-62.0	55
60	28.6	13.1	2.0	520	6.9	90.0	3.3	-34.0	60
65	28.3	13.8	2.0	429	6.9	100.0	3.1	-48.0	65
70	28.1	13.7	2.0	426	6.7	92.0	2.2	-68.0	70
75	27.7	13.6	2.0	417	6.5	48.0	2.0	-44.0	75
80	27.4	13.8	2.0	396	6.4	66.0	1.9	-62.0	80
85	27.2	13.8	2.1	389	6.3	74.0	2.1	-36.0	85
90	27.1	13.8	2.1	376	6.1	26.0	1.2	-32.0	90
95	26.9	14.0	2.2	334	6.0	32.0	1.1	-34.0	95
100	26.8	13.9	2.3	334	5.8	42.0	1.2	-40.0	100
125	26.2	13.2	2.7	258	5.4	41.6	1.4	-8.8	125
150	25.8	12.5	3.2	200	5.1	14.0	1.8	-10.0	150
175	24.6	12.5	4.7	177	4.6	9.2	2.3	-12.0	175
200	22.8	12.2	5.1	155	4.4	8.4	2.5	-0.8	200
225	22.0	11.8	6.2	121	4.4	6.8	2.4	-1.6	225
250	21.3	11.5	6.2	67	4.7	6.0	2.3	0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 6 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.5	22.5	7.8	1478	3.5	0.0	0.0	0.0	0
5	30.5	22.0	6.5	1476	3.7	218.0	9.3	-54.0	5
10	29.9	20.4	6.1	1423	4.7	258.0	32.1	-156.0	10
15	29.7	17.4	6.1	1299	5.6	274.0	59.5	-44.0	15
20	29.7	14.7	1.0	1177	5.6	324.0	54.7	-42.0	20
25	29.6	13.7	3.5	853	5.9	256.0	34.9	-146.0	25
30	29.2	13.0	3.4	725	5.9	196.0	26.2	-18.0	30
35	29.2	12.7	3.9	604	5.9	174.0	21.3	-74.0	35
40	29.1	12.1	3.5	568	5.7	120.0	15.0	-42.0	40
45	28.7	11.7	3.4	535	5.5	112.0	9.8	-50.0	45
50	28.4	10.9	3.2	472	5.0	140.0	5.7	-74.0	50
55	28.0	10.8	3.2	422	4.9	90.0	3.6	-56.0	55
60	27.8	10.8	3.2	386	4.9	60.0	2.0	-40.0	60
65	27.4	11.5	3.2	277	5.3	52.0	-0.1	-88.0	65
70	27.2	11.6	3.2	269	5.2	34.0	-0.5	-36.0	70
75	27.1	11.7	3.2	252	5.0	58.0	0.1	-40.0	75
80	26.7	11.8	3.2	242	4.8	28.0	-0.3	-44.0	80
85	26.3	11.9	3.2	235	4.8	34.0	-1.0	-34.0	85
90	26.1	12.0	3.2	225	4.7	30.0	-1.1	-52.0	90
95	25.7	11.8	3.3	202	4.1	20.0	-0.1	-40.0	95
100	25.6	11.7	3.3	202	4.0	18.0	0.6	-32.0	100
125	23.7	11.4	3.5	158	3.3	9.6	1.2	-5.2	125
150	21.6	10.4	3.6	91	3.1	5.2	1.0	-10.4	150
175	20.3	10.5	5.5	75	2.1	5.2	1.8	-2.8	175
200	19.4	10.4	7.6	63	1.7	7.2	2.0	-2.0	200
225	18.9	10.1	6.8	46	1.8	4.0	2.1	0.0	225
250	18.7	10.4	7.4	24	2.0	3.6	2.3	0.8	250
275	9.0	9.0	9.0	1	0.0	1.2	1.2	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

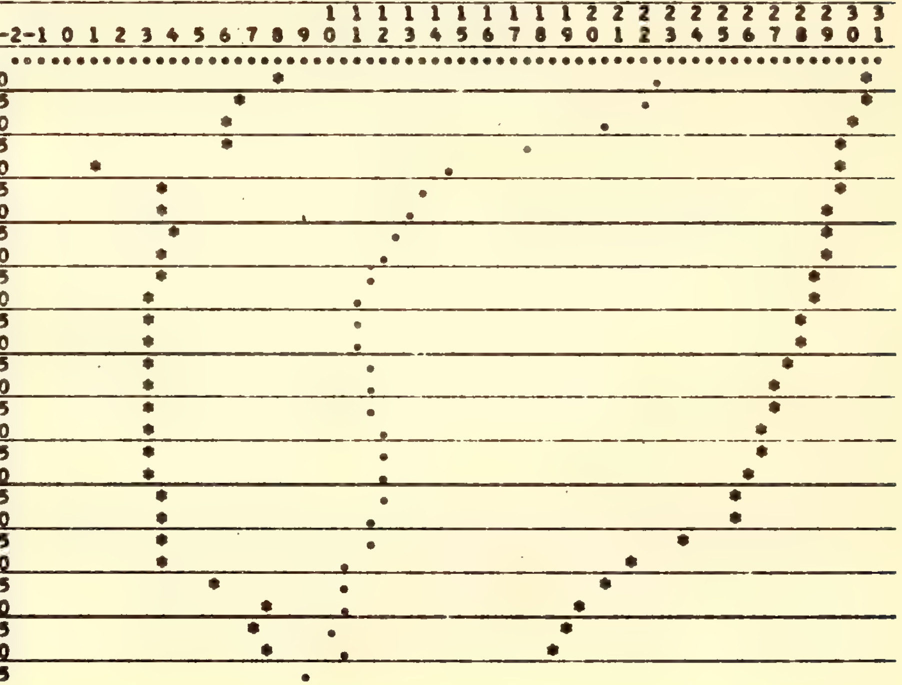


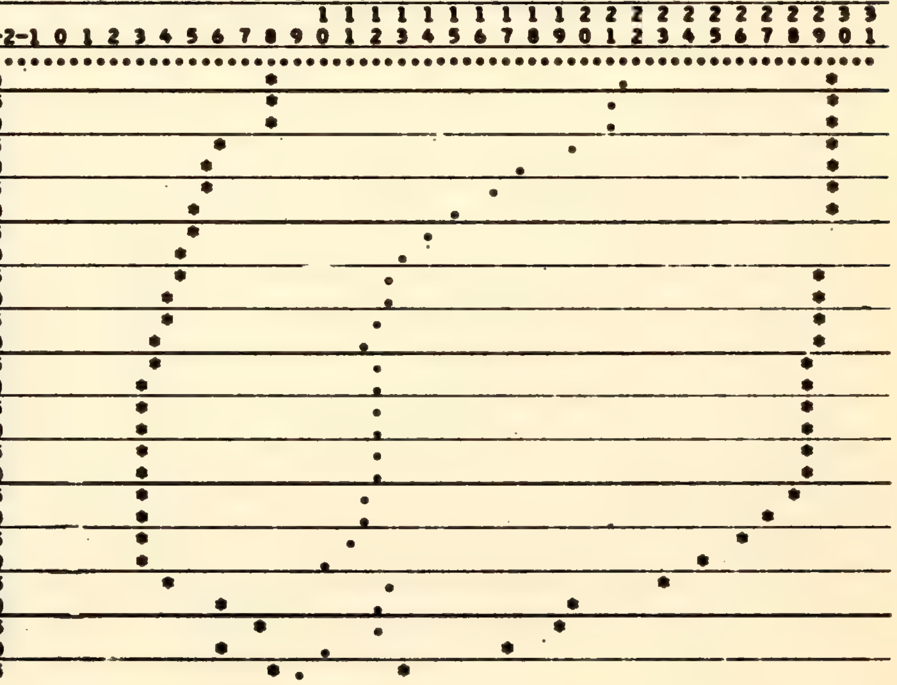
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 6 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.6	21.3	7.8	1254	3.3	0.0	0.0	0.0	0
5	29.4	21.2	7.8	1253	3.4	56.0	2.3	-56.0	5
10	29.5	20.9	7.8	1221	3.5	150.0	5.9	-66.0	10
15	29.5	19.7	6.2	1113	4.1	270.0	21.5	-70.0	15
20	29.5	17.5	5.6	1039	4.9	290.0	42.3	-52.0	20
25	29.5	16.3	5.4	792	5.6	310.0	33.5	-40.0	25
30	29.4	15.2	5.0	679	6.1	270.0	25.9	-56.0	30
35	36.1	14.2	4.8	576	6.6	206.0	23.0	-202.0	35
40	36.2	13.2	4.6	518	6.6	198.0	19.2	-60.0	40
45	29.1	12.7	4.3	475	6.4	160.0	12.7	-60.0	45
50	29.1	12.3	4.0	440	6.3	82.0	7.7	-90.0	50
55	29.1	12.1	3.8	402	6.2	110.0	6.1	-86.0	55
60	29.0	11.6	3.7	358	5.9	128.0	5.1	-36.0	60
65	28.7	12.0	3.3	264	6.4	64.0	2.8	-72.0	65
70	28.3	12.0	3.2	251	6.4	88.0	2.3	-50.0	70
75	28.3	12.1	2.9	233	6.3	110.0	1.8	-120.0	75
80	28.3	12.1	2.9	217	6.4	66.0	2.0	-34.0	80
85	28.3	11.9	2.9	206	6.2	64.0	1.9	-30.0	85
90	28.3	11.8	3.0	200	6.1	96.0	1.9	-60.0	90
95	28.2	11.7	3.1	183	6.1	74.0	1.3	-32.0	95
100	27.0	11.6	3.1	183	5.9	30.0	1.1	-24.0	100
125	25.8	10.8	3.2	142	5.4	10.0	1.1	-14.8	125
150	24.5	10.2	3.2	107	5.4	13.2	1.5	-13.2	150
175	23.1	12.5	4.2	68	4.0	10.4	3.0	-4.8	175
200	19.5	12.2	5.8	58	3.4	14.8	3.2	-1.2	200
225	18.8	11.8	7.5	47	3.4	8.8	3.1	0.4	225
250	16.8	9.8	6.0	20	2.5	6.0	3.0	0.8	250
275	12.9	9.1	7.9	5	2.1	3.6	2.6	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 6 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.4	18.0	9.5	1687	3.8	0.0	0.0	0.0	0
5	28.3	18.0	9.6	1687	3.9	26.0	0.7	-38.0	5
10	28.3	18.0	9.5	1670	3.9	42.0	0.8	-74.0	10
15	28.3	17.7	9.3	1527	4.1	86.0	2.0	-82.0	15
20	28.3	17.5	8.3	1456	4.2	172.0	6.0	-28.0	20
25	28.3	17.0	7.2	1200	4.9	192.0	13.2	-46.0	25
30	28.3	16.4	6.3	1069	5.5	202.0	15.9	-52.0	30
35	28.3	15.8	4.9	958	6.0	178.0	15.6	-32.0	35
40	28.3	15.2	4.8	893	6.3	190.0	13.7	-56.0	40
45	28.3	14.8	4.8	838	6.4	160.0	12.9	-90.0	45
50	28.3	14.3	4.2	764	6.4	132.0	10.4	-38.0	50
55	28.3	14.3	3.8	672	6.3	128.0	9.9	-50.0	55
60	28.3	14.1	3.7	601	6.2	190.0	8.3	-66.0	60
65	28.3	14.3	3.7	510	6.4	142.0	6.9	-72.0	65
70	28.1	14.0	3.8	491	6.3	116.0	6.5	-30.0	70
75	27.6	14.0	3.9	460	6.3	142.0	4.9	-68.0	75
80	27.6	14.0	3.9	437	6.3	62.0	3.4	-46.0	80
85	27.6	14.0	3.8	413	6.3	66.0	2.7	-130.0	85
90	27.6	14.1	3.1	393	6.2	38.0	2.9	-54.0	90
95	27.6	14.1	3.2	366	6.1	80.0	3.4	-62.0	95
100	27.6	13.9	3.6	366	6.0	72.0	3.5	-50.0	100
125	25.7	13.4	3.7	290	5.5	24.8	3.7	-17.6	125
150	23.9	12.9	3.8	234	5.0	25.2	4.0	-8.0	150
175	22.6	12.6	4.1	206	4.3	13.6	3.6	-2.8	175
200	21.4	12.0	4.9	167	3.5	18.0	3.2	-3.2	200
225	20.6	11.3	7.3	132	3.2	15.6	3.2	-3.2	225
250	19.6	10.3	6.6	81	2.9	11.6	3.0	-0.8	250
275	16.1	9.9	5.9	12	3.7	6.8	2.7	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

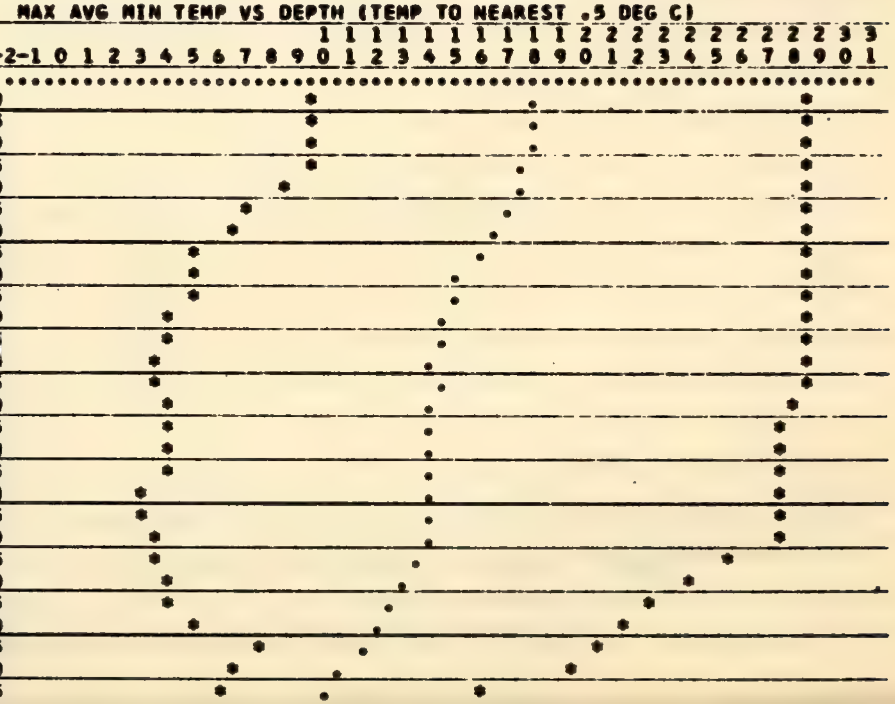
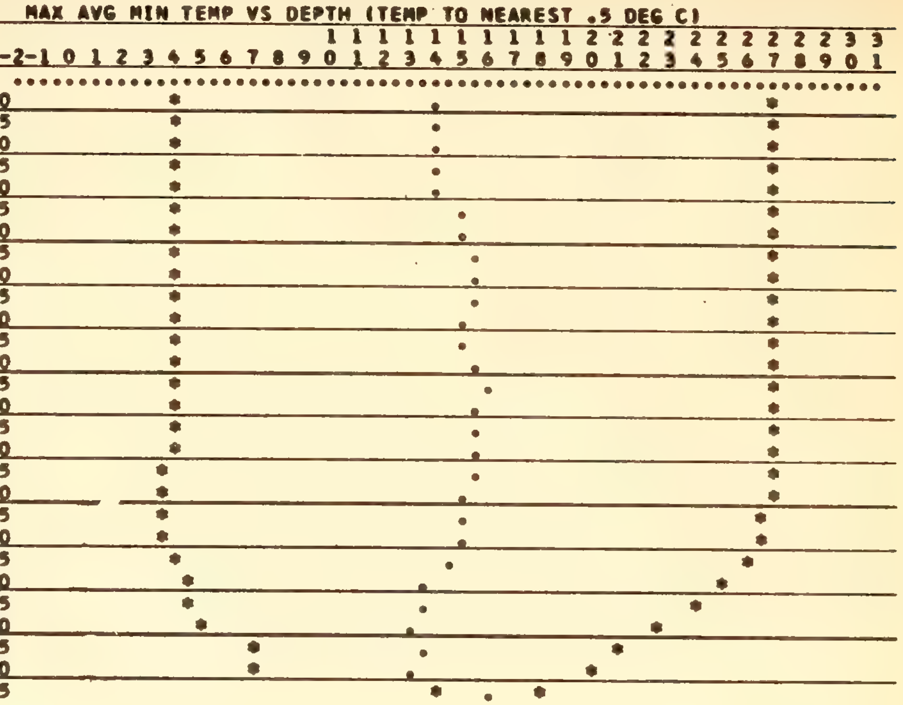


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 6   MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.1	14.1	4.1	1099	4.4	0.0	0.0	0.0	0
5	27.0	14.1	4.1	1095	4.4	54.0	0.1	-50.0	5
10	27.0	14.1	4.1	1064	4.4	16.0	-0.5	-78.0	10
15	26.9	14.0	4.1	904	4.7	28.0	0.0	-40.0	15
20	27.0	14.1	4.1	844	4.7	58.0	0.1	-76.0	20
25	27.1	14.8	4.1	596	5.3	50.0	0.5	-34.0	25
30	27.1	15.1	4.1	526	5.5	78.0	0.9	-44.0	30
35	27.0	15.4	4.1	464	5.7	40.0	1.5	-34.0	35
40	27.0	15.4	4.1	446	5.7	78.0	2.6	-38.0	40
45	27.0	15.3	4.1	417	5.8	56.0	2.1	-56.0	45
50	26.9	15.1	4.0	377	5.9	70.0	4.7	-40.0	50
55	26.9	15.2	3.9	348	6.1	96.0	5.1	-22.0	55
60	26.9	15.5	3.9	311	6.2	92.0	5.4	-32.0	60
65	26.9	15.8	3.9	267	6.5	90.0	6.6	-56.0	65
70	26.9	15.7	3.9	257	6.5	72.0	6.3	-42.0	70
75	26.9	15.5	3.9	252	6.5	58.0	5.5	-44.0	75
80	26.9	15.4	3.8	245	6.6	46.0	4.4	-22.0	80
85	26.8	15.3	3.7	239	6.6	32.0	3.8	-26.0	85
90	26.8	15.1	3.7	230	6.5	28.0	3.3	-38.0	90
95	26.7	15.1	3.6	216	6.5	36.0	4.5	-20.0	95
100	26.6	14.8	3.6	216	6.4	82.0	5.4	-10.0	100
125	26.1	14.3	4.1	173	6.1	18.4	3.8	-8.4	125
150	24.9	13.7	4.4	136	5.7	16.0	4.1	-10.4	150
175	23.9	13.5	4.6	118	4.9	14.0	4.1	-2.4	175
200	22.3	13.1	5.0	107	4.3	13.2	3.8	-3.6	200
225	21.1	13.3	7.2	87	3.8	11.6	3.6	0.0	225
250	20.1	12.8	6.8	70	3.7	8.0	3.2	0.4	250
275	18.1	16.0	13.9	7	1.4	5.6	2.7	0.8	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 6   MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.7	10.2	2.0	1025	4.8	0.0	0.0	0.0	0
5	25.7	10.2	2.2	1022	4.8	44.0	-0.7	-110.0	5
10	25.7	10.3	2.9	1002	4.8	102.0	-0.7	-66.0	10
15	25.7	10.5	2.9	872	5.0	28.0	-1.0	-122.0	15
20	25.7	10.5	2.9	810	5.1	62.0	-0.5	-48.0	20
25	25.7	11.4	3.2	586	5.5	34.0	-0.4	-146.0	25
30	25.7	11.8	4.6	522	5.6	56.0	-0.7	-90.0	30
35	25.7	12.1	4.5	445	5.9	78.0	0.1	-94.0	35
40	25.7	12.3	4.3	400	6.0	52.0	0.2	-34.0	40
45	25.7	12.3	4.3	367	6.1	34.0	0.1	-30.0	45
50	25.7	12.4	4.3	346	6.1	30.0	0.2	-22.0	50
55	25.7	12.7	4.3	312	6.1	36.0	0.8	-24.0	55
60	25.7	13.2	4.8	274	6.1	90.0	1.3	-24.0	60
65	25.6	14.5	5.2	213	6.0	52.0	0.8	-98.0	65
70	25.4	14.5	5.0	207	6.0	88.0	1.9	-36.0	70
75	25.1	14.6	5.0	199	5.9	40.0	2.1	-32.0	75
80	25.0	14.7	4.8	190	5.9	26.0	2.0	-30.0	80
85	25.0	14.7	4.5	184	5.9	28.0	2.5	-24.0	85
90	25.0	14.6	4.3	175	5.9	50.0	3.8	-22.0	90
95	25.2	14.5	4.1	161	5.9	26.0	3.0	-52.0	95
100	25.2	14.3	4.1	161	5.9	46.0	3.5	-18.0	100
125	24.4	14.3	3.9	126	5.3	16.8	3.6	-12.0	125
150	23.7	14.8	4.7	73	5.3	18.4	5.3	-2.8	150
175	23.1	14.5	4.9	62	4.1	21.6	5.9	-1.6	175
200	21.6	13.8	5.0	55	3.6	13.6	4.7	-1.6	200
225	20.1	13.4	9.3	46	3.1	12.4	4.7	-2.4	225
250	19.2	13.9	8.8	25	3.5	7.2	3.5	0.4	250
275	14.7	14.2	13.8	2	0.6	4.8	4.8	4.8	275

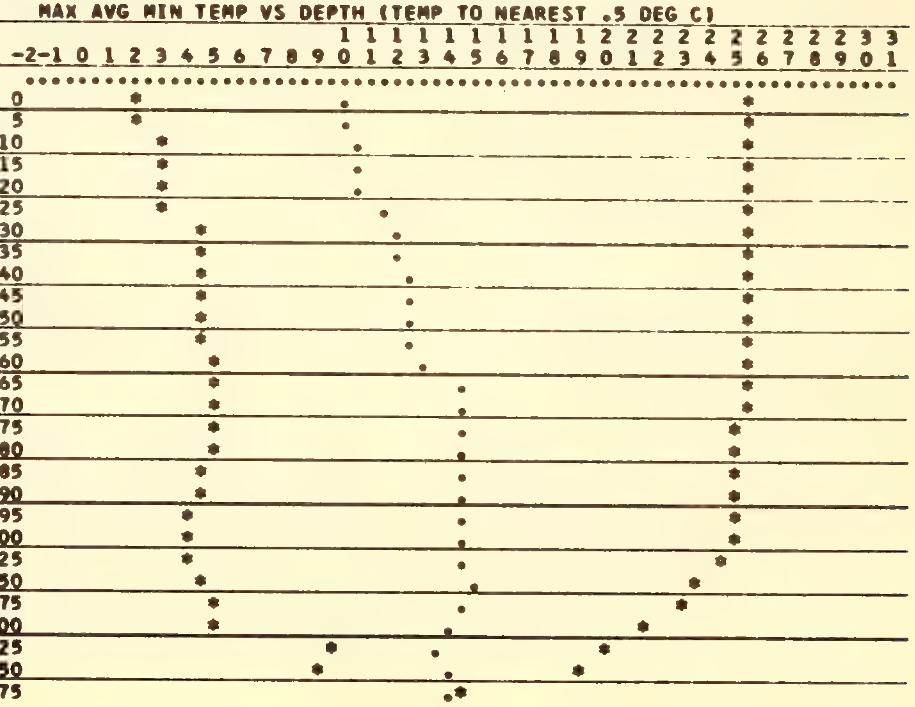


Table VI-1.—Continued

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                            NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 7    MONTH  1
                                                                MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                       1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                         GRADIENT        -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX    AVG   MIN   NUM  SDEV      MAX    AVG     MIN   ....................................................................
     0 23.1  20.0  18.3   219   0.7      0.0    0.0     0.0   0                                         *  .     *
     5 23.1  20.0  18.3   219   0.7      4.0   -0.2    -8.0   5                                         *  .     *
    10 23.1  20.0  18.3   219   0.7      6.0   -0.1   -10.0  10                                         *  .     *
    15 23.1  20.0  18.3   219   0.7      2.0   -0.1    -8.0  15                                         *  .     *
    20 23.1  20.0  18.3   219   0.7      8.0    0.0    -2.0  20                                         *  .     *
    25 23.1  20.0  18.3   219   0.7      4.0    0.1    -2.0  25                                         *  .     *
    30 23.0  20.0  18.3   219   0.7      4.0    0.1    -2.0  30                                         *  .     *
    35 23.0  20.0  18.3   219   0.7      4.0    0.0    -2.0  35                                         *  .     *
    40 23.0  20.0  11.9   219   0.9    160.0    0.8    -2.0  40                            *               .     *
    45 23.0  20.0  18.3   219   0.7      4.0   -0.5  -160.0  45                                         *  .     *
    50 22.9  20.0  18.3   218   0.7      4.0    0.2    -2.0  50                                         *  .     *
    55 22.9  20.0  18.4   217   0.7      6.0    0.2    -2.0  55                                         *  .     *
    60 22.9  20.0  18.4   217   0.7     20.0    0.3    -2.0  60                                         *  .     *
    65 22.9  20.0  18.4   217   0.7      6.0    0.2    -2.0  65                                         *  .     *
    70 22.9  20.0  18.4   216   0.7      6.0    0.2     0.0  70                                         *  .     *
    75 22.9  20.0  18.4   216   0.7      4.0    0.1    -2.0  75                                         *  .     *
    80 22.9  20.0  18.4   216   0.7      4.0    0.2    -2.0  80                                         *  .     *
    85 22.9  19.9  18.4   216   0.7      4.0    0.3    -2.0  85                                         *  .     *
    90 22.8  19.9  18.4   216   0.7      8.0    0.2    -2.0  90                                         *  .     *
    95 22.8  19.9  18.3   214   0.7      6.0    0.2    -2.0  95                                         *  .     *
   100 22.8  19.9  18.3   214   0.7      8.0    0.3    -2.0 100                                         *  .     *
   125 21.6  19.8  15.4   211   0.7     13.2    0.4    -0.8 125                                   *        .  *
   150 21.5  19.7  14.1   209   0.9     12.8    0.4    -0.8 150                                *          .   *
   175 21.3  19.5  13.3   207   1.2     14.8    0.8    -0.4 175                               *           .   *
   200 21.2  19.2  12.8   204   1.4     16.0    1.1    -3.2 200                              *           .   *
   225 20.9  18.7  12.0   187   1.8     18.0    2.2    -1.2 225                            *            .    *
   250 20.7  17.9  11.5    98   2.2     22.4    2.9    -1.6 250                           *            .    *
   275 19.8  19.2  18.9     3   0.4      5.6    3.9     1.6 275                                          . *
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                            NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 7    MONTH  2
                                                                MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                       1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                         GRADIENT        -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX    AVG   MIN   NUM  SDEV      MAX    AVG     MIN   ....................................................................
     0 21.4  18.4  17.8    62   0.8      0.0    0.0     0.0   0                                        *.     *
     5 21.5  18.5  17.8    62   0.8      2.0   -0.3    -4.0   5                                        *.     *
    10 21.5  18.5  17.8    62   0.8      0.0   -0.1    -2.0  10                                        *.     *
    15 21.6  18.5  17.8    62   0.8      0.0   -0.2    -2.0  15                                        *.     *
    20 21.6  18.5  17.8    62   0.8      2.0   -0.1    -2.0  20                                        *.     *
    25 21.6  18.5  17.8    62   0.8      2.0    0.1     0.0  25                                        *.     *
    30 21.6  18.5  17.8    62   0.8      2.0    0.1    -2.0  30                                        *.     *
    35 21.6  18.5  17.7    62   0.8      2.0    0.1     0.0  35                                       * .     *
    40 21.6  18.5  17.7    62   0.8      2.0    0.0    -2.0  40                                       * .     *
    45 21.5  18.5  17.7    62   0.8      2.0    0.0    -2.0  45                                       * .     *
    50 21.5  18.5  17.7    62   0.8      2.0    0.0    -2.0  50                                       * .     *
    55 21.4  18.5  17.7    54   0.8      2.0    0.1     0.0  55                                       * .     *
    60 21.3  18.5  17.7    54   0.8      2.0    0.1    -2.0  60                                       * .     *
    65 21.3  18.5  17.7    54   0.8      0.0    0.0     0.0  65                                       * .     *
    70 21.2  18.5  17.7    54   0.8      2.0    0.1    -2.0  70                                       * .    *
    75 21.1  18.5  17.7    53   0.8     10.0    0.2    -2.0  75                                       * .    *
    80 21.1  18.5  17.7    53   0.7      2.0    0.1    -2.0  80                                       * .    *
    85 21.1  18.4  17.6    53   0.7      2.0    0.2     0.0  85                                       * .    *
    90 21.1  18.4  17.6    53   0.7      0.0   -0.1    -2.0  90                                       * .    *
    95 21.0  18.4  17.6    53   0.7      4.0    0.3     0.0  95                                       * .    *
   100 20.9  18.4  17.6    53   0.7      4.0    0.2    -2.0 100                                       * .    *
   125 20.4  18.4  17.6    49   0.6      2.4    0.2    -0.4 125                                       * .   *
   150 20.2  18.8  18.2    22   0.6      1.6    0.1    -0.4 150                                        * . *
   175 20.0  18.8  18.2    22   0.6      0.8    0.2     0.0 175                                        * . *
   200 19.9  18.9  18.3    17   0.5      0.8    0.2    -0.4 200                                         *. *
   225 19.9  18.8  18.3    16   0.5      1.6    0.3     0.0 225                                         *. *
   250 19.8  18.6  18.3    13   0.5      1.6    0.4     0.0 250                                         .  *
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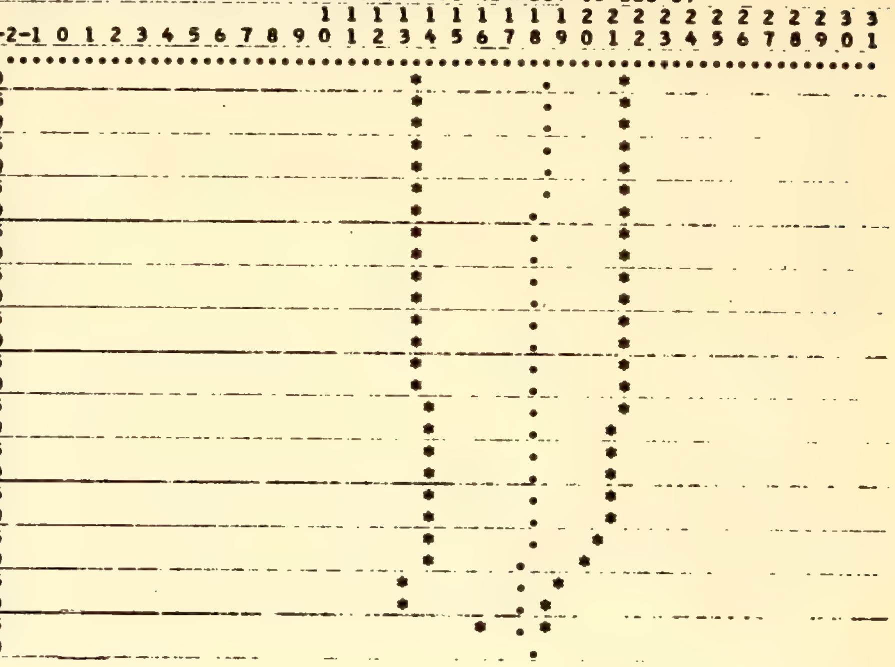
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7   MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.6	18.3	13.3	41	1.5	0.0	0.0	0.0	0
5	21.6	18.3	13.3	41	1.5	2.0	-0.0	-2.0	5
10	21.6	18.3	13.3	41	1.5	2.0	-0.2	-2.0	10
15	21.5	18.3	13.3	41	1.6	10.0	0.3	-2.0	15
20	21.4	18.3	13.3	41	1.6	16.0	0.7	-2.0	20
25	21.4	18.3	13.3	41	1.6	6.0	0.5	-2.0	25
30	21.4	18.2	13.3	41	1.6	8.0	0.3	-2.0	30
35	21.4	18.2	13.3	40	1.6	6.0	0.5	-2.0	35
40	21.4	18.2	13.3	40	1.6	4.0	0.2	-2.0	40
45	21.4	18.2	13.3	40	1.6	2.0	0.2	-2.0	45
50	21.4	18.2	13.3	39	1.6	2.0	0.2	-2.0	50
55	21.4	18.2	13.3	39	1.6	2.0	0.4	0.9	55
60	21.4	18.2	13.4	39	1.6	4.0	0.3	-2.0	60
65	21.3	18.2	13.5	38	1.6	4.0	0.3	-6.0	65
70	21.3	18.1	13.7	38	1.6	6.0	0.6	-4.0	70
75	21.3	18.1	13.8	38	1.5	16.0	0.9	-2.0	75
80	21.2	18.1	13.8	36	1.6	6.0	0.8	0.0	80
85	21.2	18.0	13.9	36	1.6	14.0	1.2	-2.0	85
90	21.2	18.0	13.9	34	1.6	6.0	0.9	-6.0	90
95	21.1	18.0	13.9	33	1.6	10.0	0.8	-4.0	95
100	21.1	18.0	13.9	33	1.6	10.0	0.9	-6.0	100
125	20.7	17.8	13.9	27	1.6	9.6	0.9	-1.6	125
150	19.8	17.7	13.9	24	1.3	3.6	0.6	-2.8	150
175	19.1	17.5	13.0	22	1.4	8.4	0.9	-1.2	175
200	18.4	17.5	13.2	19	1.1	2.8	0.5	-0.8	200
225	18.3	17.7	16.0	5	0.9	1.6	0.7	0.0	225
250	18.1	18.1	18.1	2	0.0	0.8	0.6	0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7   MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	23.3	20.2	17.7	113	1.4	0.0	0.0	0.0	0
5	23.3	20.1	17.7	113	1.4	10.0	0.7	-4.0	5
10	23.3	20.1	17.7	113	1.5	28.0	0.8	-6.0	10
15	23.3	20.1	17.6	113	1.5	10.0	0.8	-2.0	15
20	23.3	20.0	17.6	113	1.4	10.0	0.8	-2.0	20
25	23.3	20.0	17.6	113	1.4	16.0	1.1	0.0	25
30	23.3	19.9	17.6	113	1.4	16.0	1.0	-2.0	30
35	23.3	19.9	17.6	113	1.4	8.0	1.0	0.0	35
40	23.2	19.8	17.5	113	1.4	14.0	1.5	0.0	40
45	22.9	19.7	17.5	113	1.4	10.0	1.7	-2.0	45
50	22.8	19.6	17.4	113	1.4	10.0	1.4	-2.0	50
55	22.8	19.6	17.2	112	1.4	10.0	1.6	0.0	55
60	22.8	19.5	17.2	112	1.4	12.0	1.6	-2.0	60
65	22.8	19.4	16.9	111	1.3	24.0	1.8	0.0	65
70	22.8	19.3	16.7	111	1.3	22.0	1.9	0.0	70
75	22.8	19.2	16.5	110	1.3	8.0	1.4	0.0	75
80	22.7	19.2	16.3	110	1.3	10.0	1.1	-2.0	80
85	22.7	19.1	16.1	109	1.2	8.0	1.3	-2.0	85
90	22.6	19.0	16.0	105	1.2	10.0	1.6	0.0	90
95	22.3	19.0	16.0	102	1.2	10.0	1.2	0.0	95
100	22.2	18.9	15.9	102	1.1	20.0	1.4	-2.0	100
125	21.6	18.7	15.6	100	1.0	4.4	1.1	-2.0	125
150	21.0	18.5	15.2	84	0.9	4.0	0.8	0.0	150
175	20.8	18.2	14.6	83	0.9	4.8	0.9	0.0	175
200	20.8	18.1	13.8	81	1.0	3.2	0.6	-0.4	200
225	19.3	17.9	13.3	65	1.1	2.0	0.4	-0.8	225
250	19.3	17.6	12.9	25	1.5	2.0	0.6	0.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

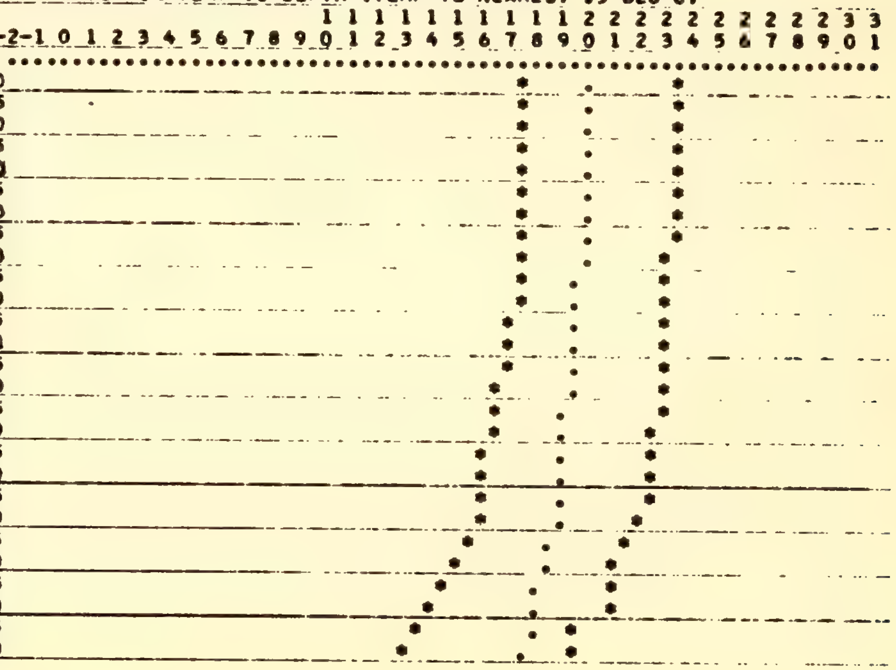
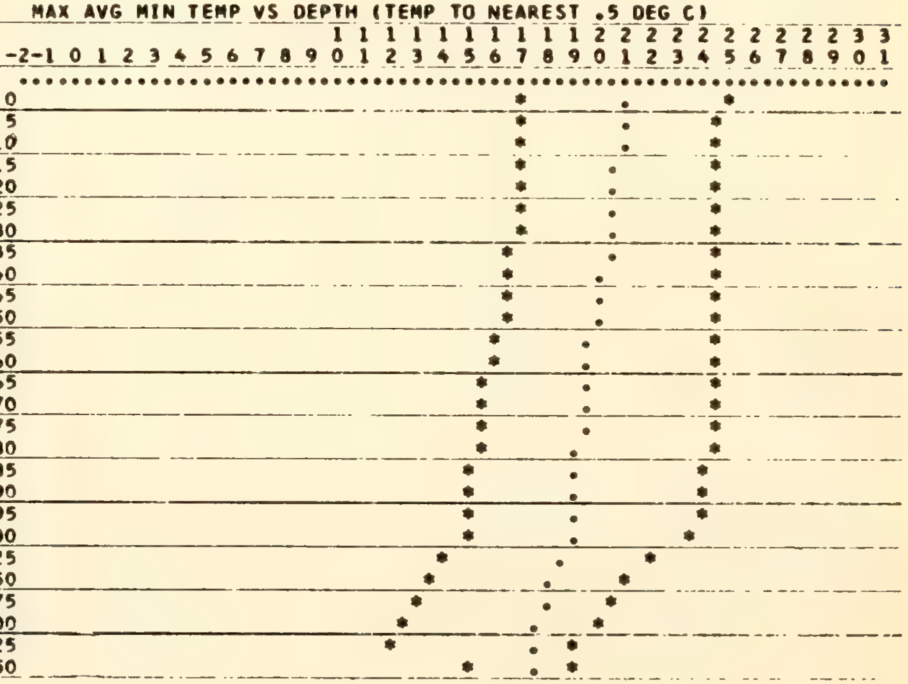


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.8	20.9	16.9	162	1.7	0.0	0.0	0.0	0
5	24.7	20.9	16.9	162	1.7	10.0	0.6	-8.0	5
10	24.7	20.8	16.9	162	1.7	14.0	0.9	-8.0	10
15	24.7	20.7	16.9	162	1.7	12.0	1.4	-6.0	15
20	24.7	20.6	16.9	162	1.6	26.0	1.9	-2.0	20
25	24.7	20.5	16.9	162	1.6	16.0	2.2	0.0	25
30	24.7	20.4	16.8	162	1.6	24.0	2.8	-6.0	30
35	24.7	20.3	16.7	162	1.5	24.0	2.6	0.0	35
40	24.6	20.1	16.7	162	1.5	26.0	3.0	0.0	40
45	24.5	20.0	16.7	162	1.4	16.0	2.7	0.0	45
50	24.5	19.9	16.6	162	1.4	12.0	2.4	-2.0	50
55	24.5	19.7	16.1	162	1.4	14.0	2.5	-2.0	55
60	24.5	19.6	15.8	162	1.4	16.0	2.4	-2.0	60
65	24.5	19.5	15.6	162	1.4	14.0	2.2	0.0	65
70	24.5	19.4	15.5	162	1.4	12.0	2.3	-2.0	70
75	24.5	19.3	15.4	160	1.3	10.0	1.9	0.0	75
80	24.4	19.2	15.3	160	1.3	10.0	1.7	0.0	80
85	24.0	19.1	15.1	160	1.3	10.0	2.0	0.0	85
90	23.9	19.0	15.0	160	1.3	10.0	1.7	0.0	90
95	23.8	19.0	14.9	158	1.3	8.0	1.3	0.0	95
100	23.6	18.9	14.9	158	1.3	10.0	1.9	0.0	100
125	22.2	18.4	14.0	147	1.1	6.8	1.5	0.0	125
150	21.1	18.0	13.4	129	0.9	4.0	0.9	0.0	150
175	20.4	17.8	13.0	128	1.0	3.2	0.7	0.0	175
200	19.8	17.7	12.7	124	1.1	2.8	0.5	-0.4	200
225	18.9	17.5	12.2	94	1.2	2.4	0.5	-0.4	225
250	18.8	17.7	15.0	38	0.7	2.0	0.3	0.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.2	23.1	21.4	96	1.1	0.0	0.0	0.0	0
5	26.2	23.1	21.3	96	1.2	10.0	1.3	-6.0	5
10	26.2	22.9	21.1	96	1.2	18.0	3.0	-4.0	10
15	26.1	22.6	20.4	96	1.4	24.0	5.4	-2.0	15
20	26.1	22.3	20.0	96	1.6	28.0	6.2	0.0	20
25	26.1	22.0	19.5	96	1.7	22.0	6.6	0.0	25
30	26.1	21.7	19.3	96	1.8	22.0	6.1	0.0	30
35	26.1	21.4	18.9	96	2.0	20.0	6.8	0.0	35
40	25.9	21.1	18.6	96	2.1	18.0	6.0	0.0	40
45	25.9	20.8	18.3	96	2.1	18.0	5.8	0.0	45
50	25.8	20.5	18.2	96	2.1	26.0	5.1	0.0	50
55	25.4	20.3	18.1	96	2.1	22.0	5.1	0.0	55
60	25.3	20.1	17.9	96	2.0	16.0	3.8	0.0	60
65	25.0	19.9	17.9	96	1.9	18.0	3.8	0.0	65
70	24.9	19.7	17.8	96	1.8	12.0	3.0	0.0	70
75	24.5	19.6	17.5	96	1.8	14.0	3.2	0.0	75
80	24.1	19.4	17.2	96	1.7	14.0	2.5	0.0	80
85	24.1	19.3	16.9	96	1.7	14.0	3.3	0.0	85
90	24.0	19.1	16.4	96	1.7	10.0	3.1	0.0	90
95	23.9	19.0	16.1	95	1.7	10.0	2.9	0.0	95
100	23.6	18.8	15.7	95	1.7	10.0	3.2	0.0	100
125	22.2	18.1	14.6	92	1.7	7.6	2.7	0.0	125
150	21.5	17.6	14.0	87	1.7	4.4	1.7	0.0	150
175	21.1	17.3	13.6	86	1.8	4.0	1.3	-0.4	175
200	20.8	17.0	13.3	80	1.8	3.2	1.3	0.0	200
225	20.0	16.4	13.2	60	1.9	3.2	1.1	0.0	225
250	19.3	15.7	12.9	30	1.9	2.8	1.3	0.0	250
275	17.8	17.7	17.6	3	0.1	0.8	0.4	0.0	275

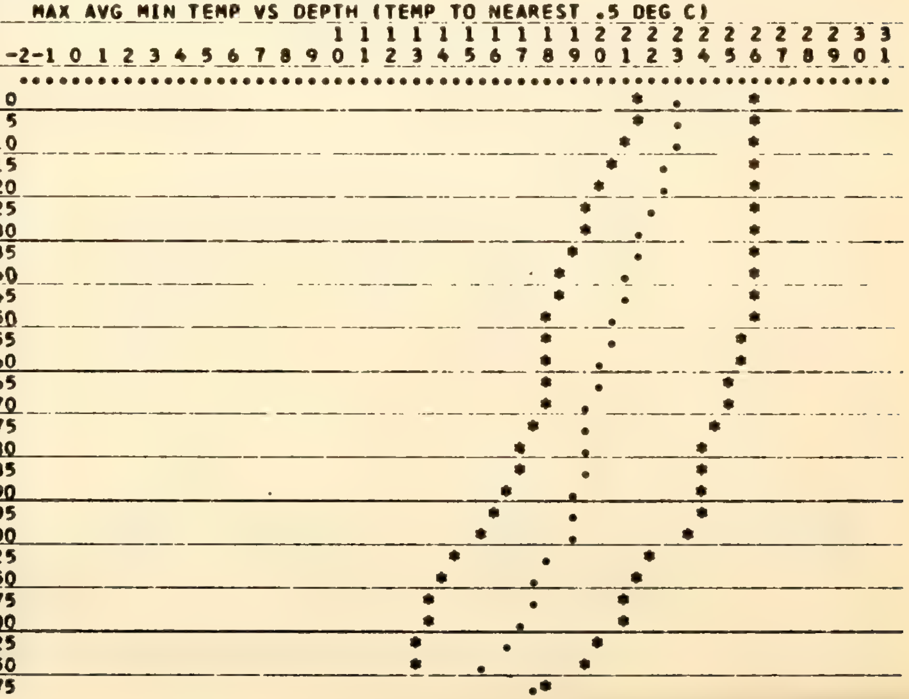
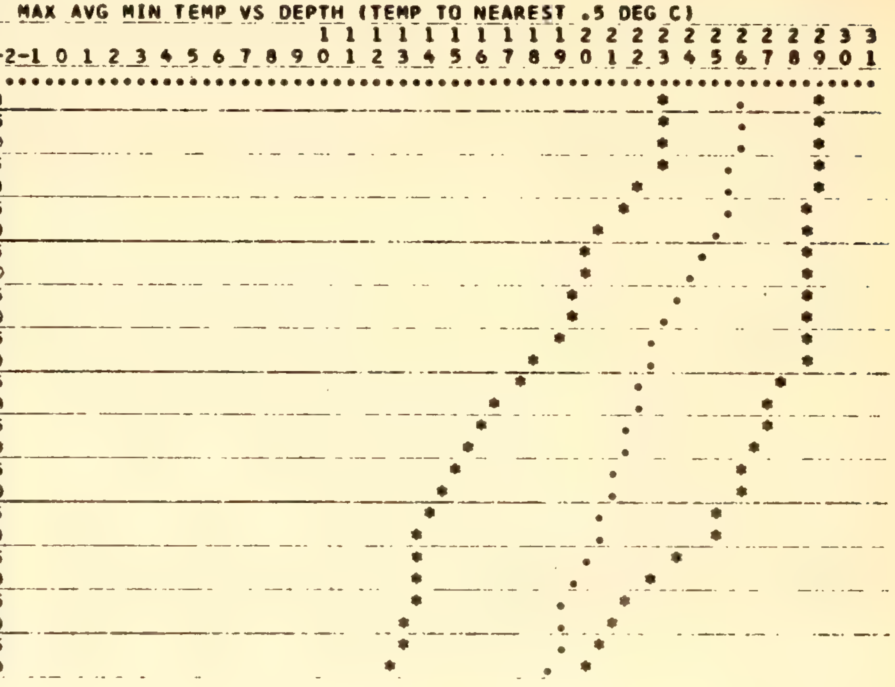


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7 MONTH 7

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	28.8	25.9	23.0	167	1.6	0.0	0.0	0.0	0
5	28.8	25.8	22.9	167	1.6	12.0	0.9	-2.0	5
10	28.8	25.8	22.9	167	1.6	14.0	1.0	-8.0	10
15	28.8	25.7	22.9	167	1.6	10.0	1.1	-4.0	15
20	28.8	25.6	22.2	167	1.6	20.0	2.6	-2.0	20
25	28.7	25.4	21.6	167	1.7	26.0	4.3	-2.0	25
30	28.7	24.9	20.7	167	1.8	44.0	8.4	-4.0	30
35	28.7	24.4	20.0	167	2.1	38.0	10.6	0.0	35
40	28.6	23.9	19.8	167	2.2	32.0	10.4	0.0	40
45	28.6	23.4	19.5	167	2.3	36.0	9.4	0.0	45
50	28.6	23.0	19.4	167	2.3	30.0	8.0	0.0	50
55	28.4	22.7	19.2	166	2.3	40.0	7.4	0.0	55
60	28.3	22.4	18.2	166	2.2	22.0	5.9	0.0	60
65	27.6	22.1	17.3	166	2.2	24.0	6.2	-2.0	65
70	27.1	21.8	16.4	165	2.2	18.0	5.3	-2.0	70
75	26.8	21.6	15.8	164	2.1	18.0	4.8	0.0	75
80	26.4	21.4	15.3	163	2.0	18.0	4.0	0.0	80
85	26.1	21.1	14.9	162	2.0	16.0	4.5	-2.0	85
90	25.8	20.9	14.5	159	1.9	22.0	4.4	-2.0	90
95	25.2	20.7	13.9	156	1.8	18.0	3.8	-2.0	95
100	25.0	20.5	13.6	156	1.8	12.0	3.4	0.0	100
125	23.5	19.8	13.3	149	1.5	10.0	2.7	0.0	125
150	22.3	19.5	13.4	127	1.3	7.6	1.7	-0.4	150
175	21.5	19.1	13.3	127	1.1	5.2	1.3	0.0	175
200	21.0	19.0	13.2	117	1.0	3.6	0.9	0.0	200
225	20.4	18.9	12.8	101	1.0	3.2	0.7	0.0	225
250	20.0	18.6	12.6	59	1.1	1.6	0.5	0.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7 MONTH 8

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	29.9	26.5	24.1	128	1.2	0.0	0.0	0.0	0
5	29.7	26.5	24.1	128	1.1	8.0	0.2	-4.0	5
10	29.6	26.5	24.1	128	1.1	4.0	0.3	-2.0	10
15	29.6	26.4	24.1	128	1.1	8.0	0.5	-2.0	15
20	29.6	26.4	24.1	128	1.1	6.0	0.6	-2.0	20
25	29.6	26.4	24.1	128	1.1	8.0	0.8	0.0	25
30	29.6	26.2	24.1	128	1.1	28.0	3.0	-2.0	30
35	29.5	25.9	22.4	128	1.3	54.0	6.9	-2.0	35
40	29.5	25.5	21.1	128	1.6	34.0	8.0	0.0	40
45	29.5	25.0	20.2	126	1.8	34.0	8.7	-6.0	45
50	29.3	24.6	19.9	126	2.0	30.0	8.6	0.0	50
55	28.9	24.2	19.6	126	2.1	22.0	8.2	0.0	55
60	28.6	23.8	19.2	126	2.2	26.0	7.8	0.0	60
65	28.3	23.4	18.8	125	2.2	30.0	8.3	0.0	65
70	28.0	23.0	18.4	125	2.3	22.0	7.5	0.0	70
75	27.8	22.7	18.2	125	2.3	18.0	6.8	0.0	75
80	27.7	22.3	17.6	124	2.3	22.0	6.6	0.0	80
85	27.4	22.0	16.7	123	2.3	18.0	6.5	0.0	85
90	27.1	21.8	16.0	121	2.3	20.0	5.7	2.0	90
95	26.8	21.5	15.7	121	2.2	14.0	5.3	0.0	95
100	26.7	21.2	15.6	121	2.2	20.0	5.4	0.0	100
125	25.1	19.9	11.0	111	1.9	18.4	4.8	1.6	125
150	22.3	19.1	9.9	83	1.7	10.4	3.1	0.4	150
175	21.2	18.6	10.0	66	1.6	8.4	2.3	-0.4	175
200	20.2	18.3	10.3	52	1.6	4.4	1.7	-1.2	200
225	19.9	18.1	10.7	36	1.5	3.2	1.1	-1.6	225
250	19.6	18.0	10.5	24	1.8	1.2	0.6	-1.2	250
275	19.4	17.0	10.2	4	4.5	1.2	0.9	0.4	275

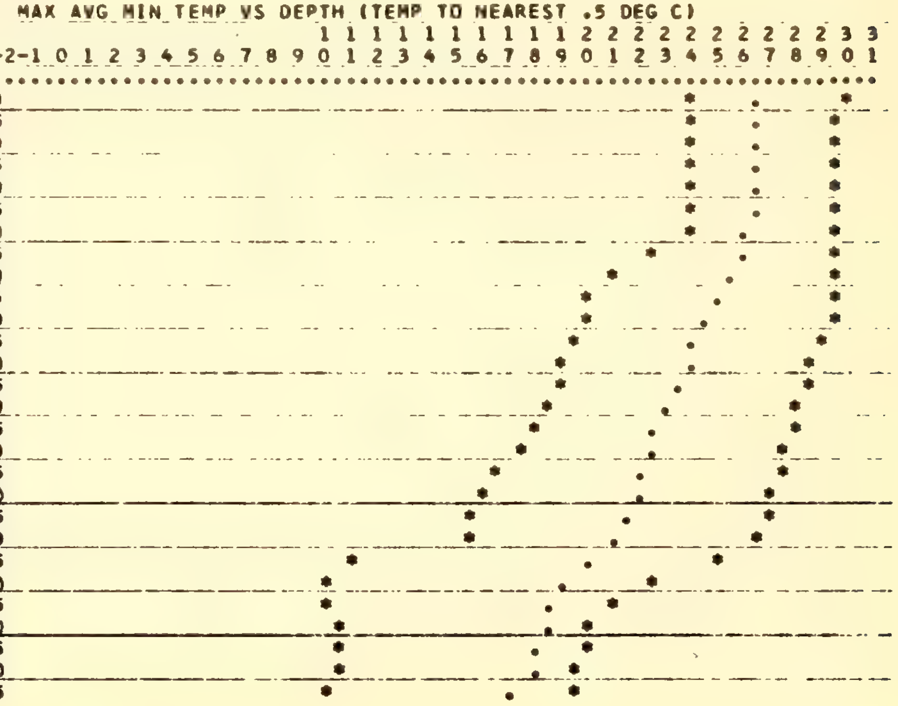


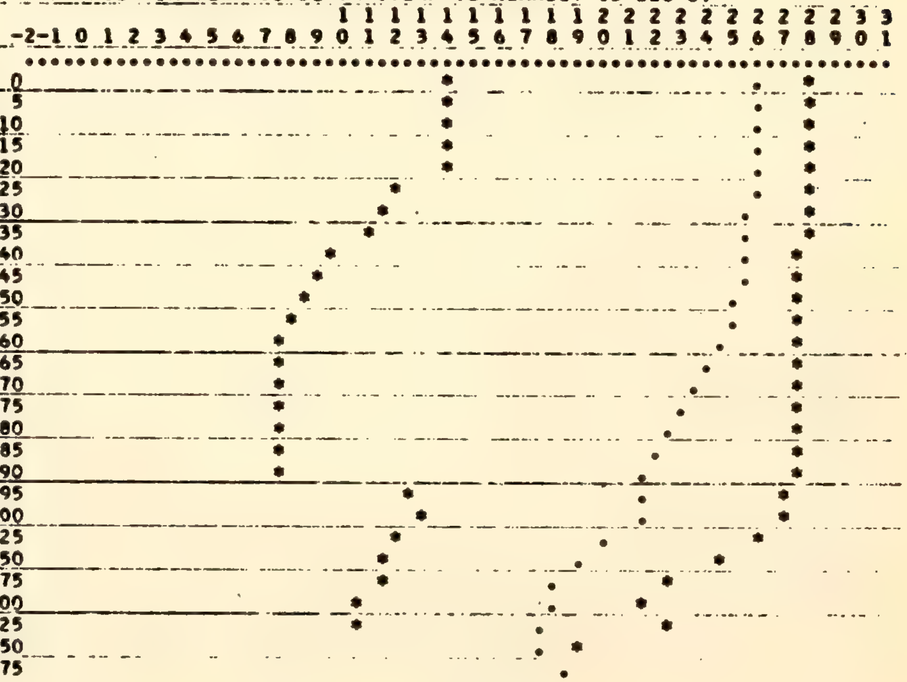
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.8	25.8	14.1	91	1.4	0.0	0.0	0.0	0
5	27.8	25.8	14.1	91	1.5	20.0	-0.1	-24.0	5
10	27.8	25.8	14.1	91	1.5	6.0	-0.1	-16.0	10
15	27.8	25.8	13.9	91	1.5	8.0	0.3	-2.0	15
20	27.8	25.8	13.8	91	1.5	8.0	0.3	-6.0	20
25	27.8	25.8	12.2	91	1.6	32.0	0.5	-8.0	25
30	27.8	25.7	11.6	91	1.7	12.0	0.9	-8.0	30
35	27.9	25.7	10.9	91	1.8	34.0	1.2	-2.0	35
40	27.7	25.6	9.5	91	2.0	28.0	2.1	-2.0	40
45	27.7	25.4	8.9	91	2.1	44.0	3.6	0.0	45
50	27.6	25.1	8.4	91	2.4	52.0	5.2	0.0	50
55	27.6	24.8	8.2	91	2.6	58.0	6.6	0.0	55
60	27.5	24.4	7.7	91	2.8	44.0	8.7	-2.0	60
65	27.4	23.9	7.4	91	3.0	48.0	9.8	-2.0	65
70	27.4	23.4	7.3	91	3.1	36.0	9.2	0.0	70
75	27.4	22.9	7.3	89	3.2	44.0	9.5	-8.0	75
80	27.4	22.5	7.5	89	3.3	34.0	8.5	-4.0	80
85	27.4	22.1	7.6	89	3.4	28.0	7.7	-2.0	85
90	27.3	21.7	7.6	87	3.5	34.0	7.0	-4.0	90
95	27.2	21.6	12.5	85	3.2	20.0	6.1	-4.0	95
100	27.2	21.3	12.8	85	3.1	24.0	6.0	-14.0	100
125	26.0	19.9	12.0	81	3.0	28.4	5.1	-1.6	125
150	24.4	19.0	11.6	79	2.8	13.6	3.8	0.4	150
175	22.3	18.2	11.6	78	2.5	32.4	2.8	-3.2	175
200	21.3	17.8	10.4	74	2.4	7.6	1.9	-0.8	200
225	22.6	17.5	10.5	57	2.1	13.6	1.3	-7.2	225
250	18.8	17.7	17.3	15	0.3	1.2	0.7	0.0	250
275	18.6	18.6	18.6	1	0.0	0.8	0.8	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.3	24.3	21.7	133	1.5	0.0	0.0	0.0	0
5	27.4	24.3	21.7	133	1.5	6.0	-0.1	-4.0	5
10	27.4	24.3	21.7	133	1.5	8.0	0.1	-2.0	10
15	27.5	24.3	21.7	133	1.5	6.0	0.0	-2.0	15
20	27.6	24.3	21.7	133	1.5	6.0	0.2	-4.0	20
25	27.6	24.2	21.7	133	1.5	14.0	0.3	-2.0	25
30	27.7	24.2	21.7	133	1.5	12.0	0.3	-2.0	30
35	27.7	24.2	21.7	133	1.5	24.0	0.3	-4.0	35
40	27.8	24.2	21.7	132	1.5	12.0	0.3	-4.0	40
45	27.8	24.2	21.3	132	1.5	22.0	0.5	-4.0	45
50	27.8	24.1	20.7	132	1.5	18.0	0.3	-8.0	50
55	27.9	24.1	20.0	132	1.6	24.0	1.4	-2.0	55
60	28.0	23.9	19.6	132	1.8	50.0	2.5	-2.0	60
65	28.0	23.8	18.0	132	1.9	42.0	2.6	-10.0	65
70	28.0	23.6	17.1	132	2.2	42.0	3.4	-6.0	70
75	27.8	23.4	16.6	132	2.4	52.0	4.6	-6.0	75
80	27.8	23.2	15.5	130	2.6	46.0	3.9	-18.0	80
85	27.8	22.9	14.7	129	2.9	54.0	4.5	-4.0	85
90	27.8	22.7	14.0	127	3.1	50.0	5.0	-8.0	90
95	27.7	22.3	13.3	125	3.3	46.0	7.2	-6.0	95
100	27.5	21.9	13.2	125	3.5	44.0	8.7	0.0	100
125	25.9	19.8	12.4	123	3.7	32.0	8.4	-1.2	125
150	24.5	17.8	12.1	116	3.3	35.2	7.1	-6.4	150
175	22.9	16.6	11.6	114	3.0	37.6	5.0	-5.2	175
200	20.8	16.1	11.2	107	2.8	19.2	2.4	-8.8	200
225	20.4	15.6	10.6	89	2.7	10.8	2.1	-9.6	225
250	20.3	15.9	10.0	54	2.9	5.2	1.7	-4.0	250
275	18.5	16.0	13.5	2	3.5	2.4	1.8	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

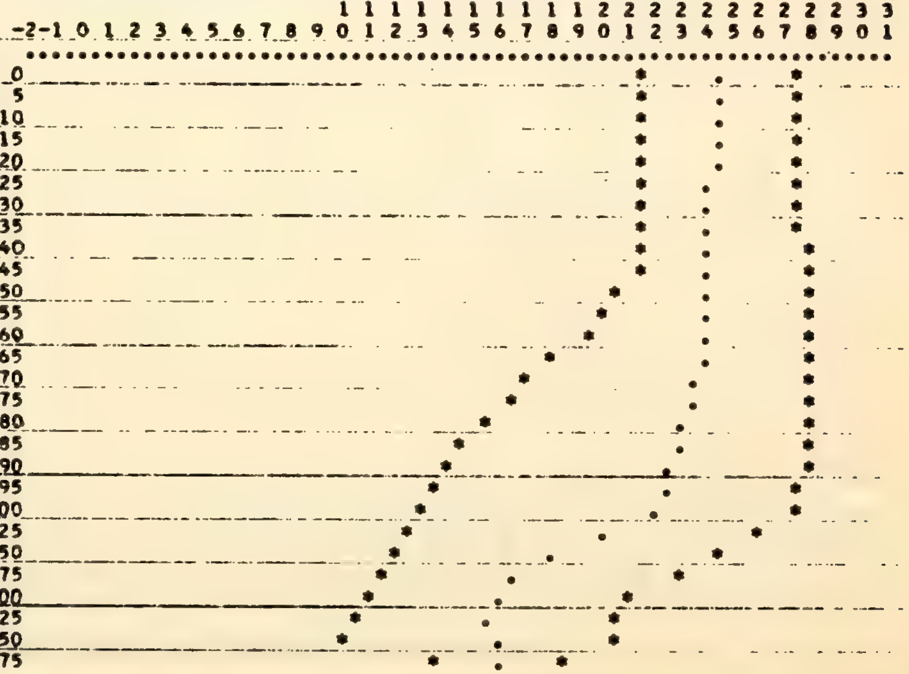
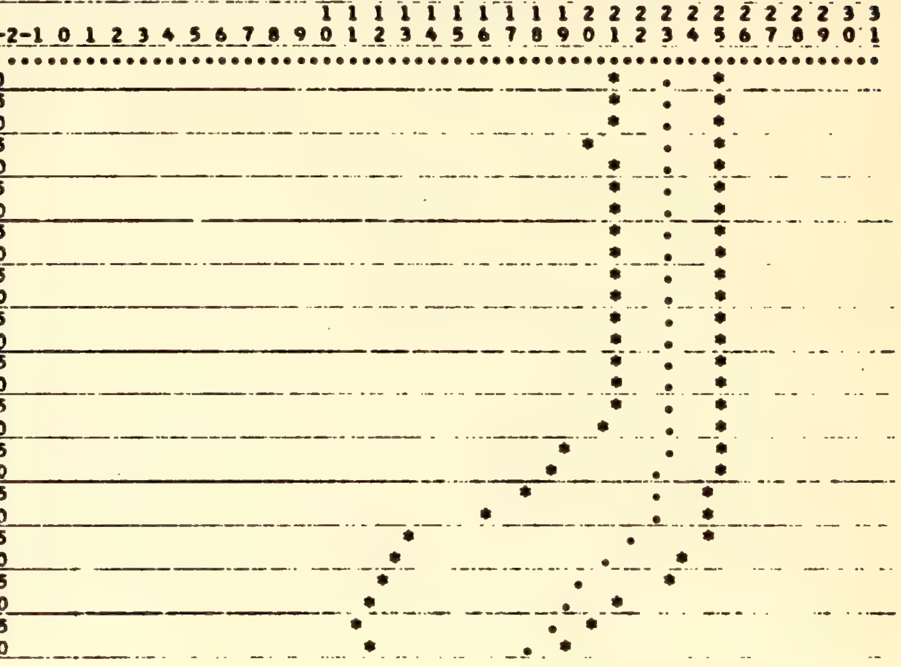


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.9	23.0	21.1	328	0.7	0.0	0.0	0.0	0
5	24.9	23.0	21.1	328	0.7	6.0	-0.0	-12.0	5
10	24.9	23.0	21.1	328	0.7	4.0	0.0	-4.0	10
15	24.9	23.0	20.1	328	0.7	32.0	0.1	-4.0	15
20	24.9	23.0	21.1	328	0.7	10.0	-0.0	-32.0	20
25	24.9	23.0	21.0	328	0.7	8.0	0.1	-2.0	25
30	24.9	23.0	21.0	328	0.7	4.0	0.1	-2.0	30
35	24.9	23.0	21.0	328	0.7	8.0	0.2	-2.0	35
40	24.9	23.0	21.0	328	0.7	8.0	0.2	-2.0	40
45	24.9	23.0	20.9	328	0.7	6.0	0.3	-2.0	45
50	24.9	22.9	20.9	328	0.7	12.0	0.3	-2.0	50
55	24.9	22.9	20.9	328	0.7	28.0	0.3	-2.0	55
60	24.9	22.9	20.8	328	0.7	6.0	0.3	-4.0	60
65	24.9	22.9	20.8	328	0.7	6.0	0.2	-2.0	65
70	24.9	22.9	20.8	328	0.7	8.0	0.3	-2.0	70
75	24.9	22.9	20.8	327	0.7	16.0	0.4	-2.0	75
80	24.9	22.8	20.7	327	0.7	18.0	0.4	-4.0	80
85	24.9	22.8	19.2	327	0.8	30.0	0.9	-4.0	85
90	24.9	22.7	18.4	325	0.8	30.0	1.3	-2.0	90
95	24.7	22.7	17.3	321	0.9	26.0	1.5	-8.0	95
100	24.7	22.6	16.2	321	1.1	34.0	2.0	-6.0	100
125	24.5	21.7	12.9	311	1.6	20.0	3.5	0.0	125
150	23.6	20.6	12.4	300	1.8	20.8	4.4	-0.4	150
175	22.8	19.6	12.1	297	1.7	16.0	4.1	0.8	175
200	21.1	18.9	11.7	285	1.6	8.8	2.5	-1.2	200
225	20.1	18.5	10.9	248	1.7	6.0	1.5	-2.4	225
250	19.1	17.4	11.7	58	2.0	4.0	1.3	-1.6	250


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.1	22.4	16.4	131	1.0	0.0	0.0	0.0	0
5	24.1	22.4	16.5	131	1.0	2.0	-0.3	-8.0	5
10	24.2	22.4	16.5	131	1.0	6.0	-0.1	-6.0	10
15	24.2	22.4	16.5	131	1.0	6.0	0.2	-2.0	15
20	24.2	22.4	16.6	131	1.0	6.0	0.2	-2.0	20
25	24.2	22.4	16.6	131	1.0	4.0	0.2	-2.0	25
30	24.2	22.4	16.6	131	1.0	4.0	0.2	-2.0	30
35	24.2	22.4	16.6	131	1.0	6.0	0.4	-2.0	35
40	24.2	22.4	16.6	131	1.0	12.0	0.5	0.0	40
45	24.2	22.3	16.6	131	1.0	8.0	0.7	0.0	45
50	24.2	22.3	16.6	130	1.0	10.0	0.6	-2.0	50
55	24.2	22.2	16.6	130	1.0	8.0	0.8	0.0	55
60	24.2	22.2	16.6	129	1.0	8.0	0.5	-8.0	60
65	24.2	22.2	16.6	129	1.0	6.0	0.7	0.0	65
70	24.2	22.2	16.6	129	1.0	6.0	0.6	0.0	70
75	24.2	22.1	16.6	129	1.0	10.0	0.7	-2.0	75
80	24.2	22.1	16.6	128	1.0	6.0	0.7	0.0	80
85	24.2	22.0	16.6	128	1.0	12.0	1.1	0.0	85
90	24.1	22.0	16.6	128	1.0	16.0	1.3	-2.0	90
95	24.1	21.9	16.6	127	1.0	12.0	1.2	-2.0	95
100	24.0	21.8	16.6	127	1.0	8.0	1.1	-2.0	100
125	23.7	21.4	15.9	126	1.0	15.2	1.8	-0.8	125
150	23.0	20.8	14.8	126	1.5	19.2	2.4	-2.8	150
175	22.1	19.8	13.1	122	1.9	17.6	3.7	0.0	175
200	21.8	18.8	12.0	119	2.1	18.0	3.9	-1.2	200
225	20.2	17.8	11.2	102	2.1	19.2	3.7	-0.4	225
250	19.2	17.4	10.8	61	2.0	10.4	1.8	-0.4	250

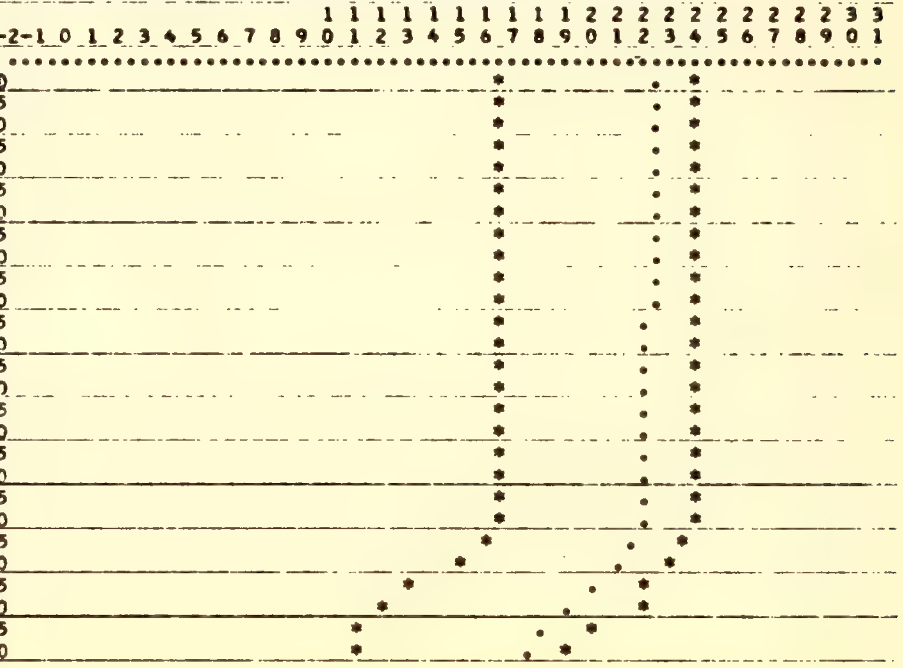

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.—Continued

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NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7A    MONTH  1

DEPTH                                        GRADIENT
METERS MAX   AVG   MIN   NUM  SDEV      MAX   AVG   MIN
     0 22.9  19.7  17.7  138  1.0       0.0   0.0   0.0    0
     5 22.9  19.7  17.7  138  1.0       4.0   0.1  -2.0    5
    10 22.9  19.7  17.7  138  1.0       2.0  -0.1  -2.0   10
    15 22.9  19.7  17.7  138  1.0       2.0   0.0  -2.0   15
    20 22.9  19.7  17.7  138  1.0       2.0   0.1  -2.0   20
    25 22.9  19.7  17.7  138  1.0       4.0   0.0  -2.0   25
    30 22.9  19.7  17.7  138  1.0       6.0   0.1  -2.0   30
    35 22.9  19.7  17.7  138  1.0      10.0   0.1  -2.0   35
    40 22.9  19.7  17.7  138  1.0      10.0   0.1  -2.0   40
    45 22.9  19.7  17.4  138  1.0      14.0   0.2  -2.0   45
    50 22.9  19.7  17.1  138  1.0       6.0   0.1  -2.0   50
    55 22.9  19.6  16.9  138  1.0       6.0   0.2  -2.0   55
    60 22.9  19.6  16.7  138  1.0       4.0   0.3  -2.0   60
    65 22.9  19.6  16.7  137  0.9       4.0   0.2  -2.0   65
    70 22.9  19.6  16.4  136  0.9       6.0   0.2  -2.0   70
    75 22.9  19.6  16.1  135  0.9       6.0   0.3  -2.0   75
    80 22.9  19.6  15.7  134  1.0       8.0   0.1  -2.0   80
    85 22.9  19.6  15.4  133  1.0       6.0   0.2  -2.0   85
    90 22.9  19.6  15.1  133  1.0       6.0   0.1  -2.0   90
    95 22.9  19.5  14.9  133  1.0       4.0   0.2  -2.0   95
   100 22.9  19.5  14.7  133  1.0       4.0   0.2  -2.0  100
   125 21.8  19.4  14.3  126  0.9       6.4   0.3  -0.4  125
   150 20.7  19.2  14.1  109  0.8       8.0   0.5  -0.4  150
   175 20.7  19.1  14.1  105  0.9      12.0   0.6  -0.4  175
   200 20.7  18.9  13.6   89  1.1      10.4   0.7  -0.4  200
   225 20.7  18.7  12.7   68  1.2       4.0   0.9  -0.8  225
   250 19.6  18.4  12.6   36  1.3       4.8   1.2   0.0  250
   275 17.8  17.8  17.8    1  0.0       0.0   0.0   0.0  275
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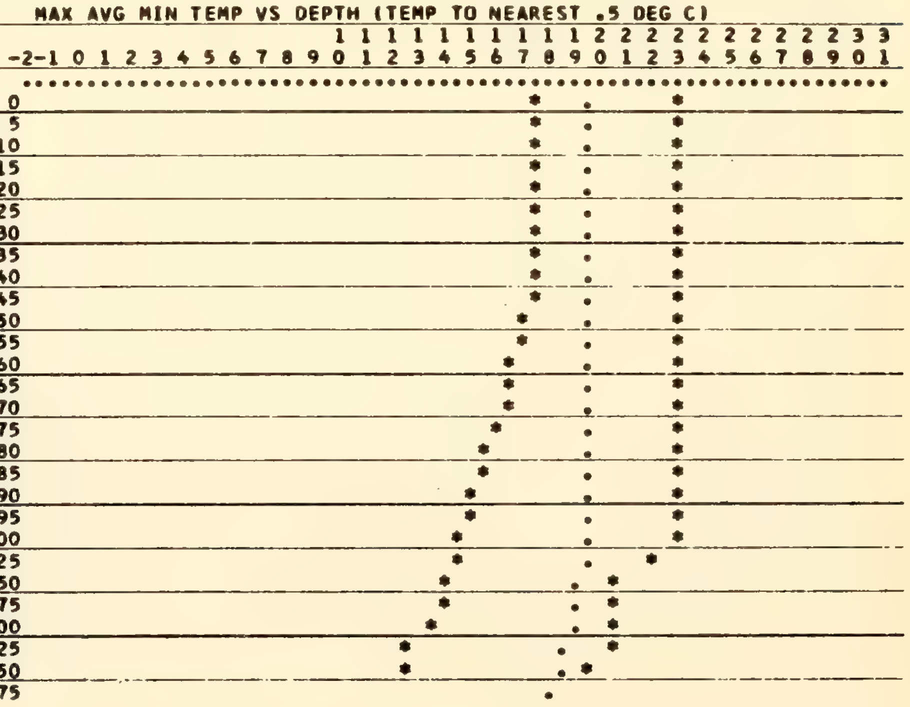

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NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7A    MONTH  2

DEPTH                                        GRADIENT
METERS MAX   AVG   MIN   NUM  SDEV      MAX   AVG   MIN
     0 23.0  19.7  14.1  132  1.4       0.0   0.0   0.0    0
     5 23.0  19.7  14.1  132  1.4       2.0  -0.2  -6.0    5
    10 22.9  19.7  14.1  132  1.4       2.0   0.0  -4.0   10
    15 22.9  19.7  14.1  132  1.4       4.0   0.1  -2.0   15
    20 22.9  19.7  14.1  132  1.4       4.0   0.2  -2.0   20
    25 22.9  19.7  14.1  131  1.4       6.0   0.3   0.0   25
    30 22.9  19.7  13.9  131  1.4       6.0   0.4  -2.0   30
    35 22.9  19.6  13.9  131  1.4       6.0   0.3  -2.0   35
    40 22.9  19.6  13.7  131  1.4      14.0   0.5  -2.0   40
    45 22.9  19.6  13.5  131  1.4      10.0   0.5   0.0   45
    50 22.9  19.6  13.4  131  1.4       4.0   0.4  -2.0   50
    55 22.9  19.5  13.3  131  1.4       6.0   0.5   0.0   55
    60 22.9  19.5  13.3  130  1.4       6.0   0.4   0.0   60
    65 22.9  19.5  13.3  130  1.4       6.0   0.3  -2.0   65
    70 22.8  19.5  13.3  129  1.3       6.0   0.4  -2.0   70
    75 22.8  19.5  13.2  129  1.3       8.0   0.4  -2.0   75
    80 22.8  19.4  13.2  126  1.3       6.0   0.3  -2.0   80
    85 22.8  19.4  13.2  124  1.3       4.0   0.4  -2.0   85
    90 22.8  19.4  13.2  123  1.3       4.0   0.2  -4.0   90
    95 22.8  19.4  13.1  122  1.3       2.0   0.3  -2.0   95
   100 22.8  19.4  13.1  122  1.3       8.0   0.3  -2.0  100
   125 22.6  19.2  13.0  115  1.2       6.0   0.7  -0.4  125
   150 22.1  19.0  12.2  109  1.2       6.4   0.8   0.0  150
   175 21.5  18.8  11.6  100  1.1       4.8   0.9  -0.4  175
   200 20.5  18.5  11.5   96  1.1      11.6   1.0  -0.4  200
   225 20.1  18.3  11.4   82  1.2      10.8   1.1  -0.4  225
   250 19.5  17.8  13.0   50  1.3      10.8   1.3  -0.4  250
   275 18.0  16.9  15.8    2  1.5       8.8   4.6   0.4  275
```

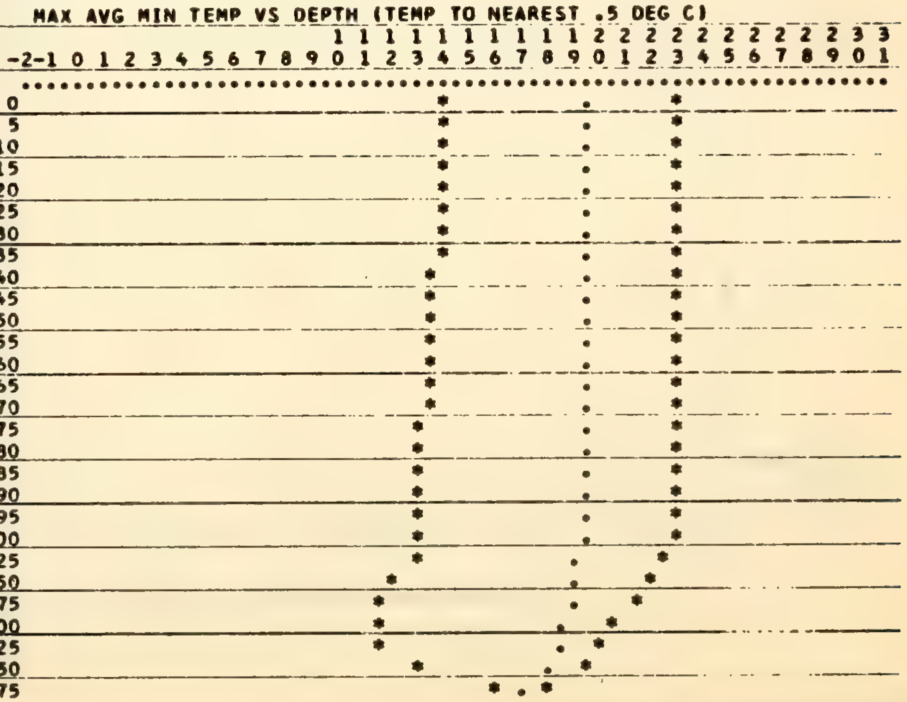


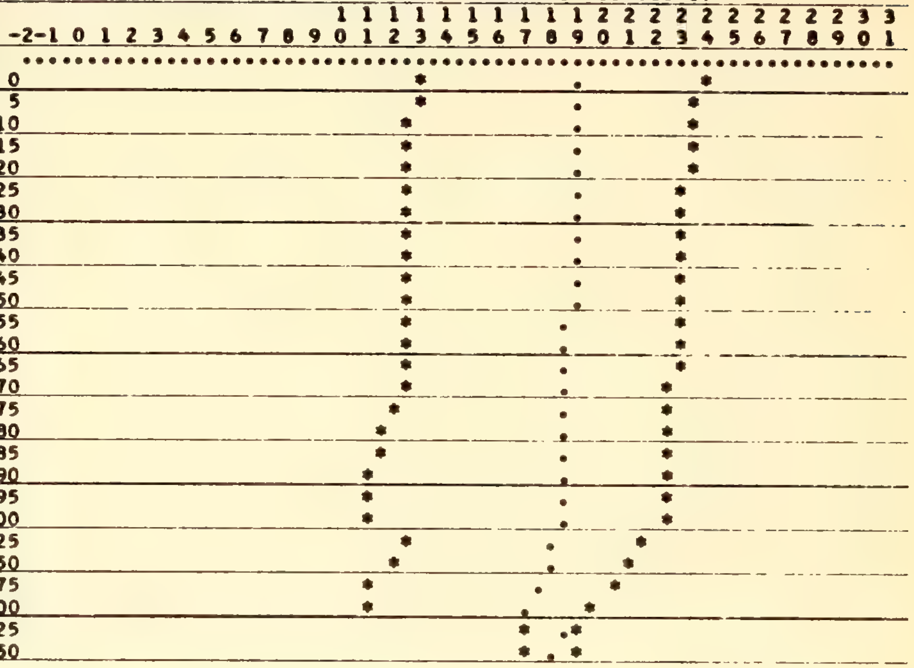
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7A MONTH 3

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	23.8	19.2	12.9	60	2.4	0.0	0.0	0.0	0
5	23.7	19.2	12.9	60	2.5	6.0	0.3	-2.0	5
10	23.7	19.1	12.6	60	2.5	6.0	0.3	-2.0	10
15	23.6	19.1	12.5	60	2.5	4.0	0.6	-2.0	15
20	23.3	19.1	12.4	60	2.5	12.0	1.1	-2.0	20
25	23.1	19.0	12.4	60	2.5	18.0	0.8	-2.0	25
30	22.9	19.0	12.4	60	2.5	10.0	1.0	-2.0	30
35	22.9	18.9	12.4	60	2.5	18.0	1.0	0.0	35
40	22.9	18.9	12.4	60	2.5	10.0	0.9	-2.0	40
45	22.9	18.8	12.4	60	2.5	10.0	0.8	-2.0	45
50	22.9	18.8	12.4	59	2.5	6.0	0.6	0.0	50
55	22.9	18.7	12.4	59	2.5	10.0	0.9	-2.0	55
60	22.8	18.7	12.4	59	2.5	8.0	0.7	-2.0	60
65	22.8	18.6	12.4	58	2.5	10.0	0.7	-2.0	65
70	22.7	18.6	12.4	58	2.5	16.0	1.3	-2.0	70
75	22.7	18.5	12.1	57	2.6	30.0	1.7	0.0	75
80	22.7	18.5	11.7	55	2.6	8.0	0.6	-2.0	80
85	22.7	18.4	11.4	55	2.6	8.0	0.9	-2.0	85
90	22.7	18.4	11.1	54	2.6	6.0	0.8	-2.0	90
95	22.7	18.3	10.9	53	2.6	6.0	0.8	-4.0	95
100	22.7	18.3	11.0	53	2.6	10.0	0.9	-2.0	100
125	21.7	18.1	12.3	38	2.5	4.0	0.9	-0.4	125
150	21.1	17.9	12.1	27	2.6	6.4	1.1	-0.4	150
175	20.3	17.7	11.2	26	2.6	3.6	1.0	0.0	175
200	19.5	16.9	10.8	21	3.0	10.8	1.8	0.0	200
225	19.1	18.3	17.2	8	0.6	3.2	0.6	-0.4	225
250	19.0	18.2	17.1	7	0.7	1.2	0.6	0.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7A MONTH 4

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	23.9	19.9	12.4	146	1.8	0.0	0.0	0.0	0
5	23.9	19.9	12.5	146	1.8	4.0	0.0	-4.0	5
10	23.9	19.9	12.7	146	1.8	4.0	0.2	-4.0	10
15	23.9	19.9	12.7	146	1.8	16.0	0.6	-4.0	15
20	23.9	19.9	12.7	146	1.8	12.0	0.7	-2.0	20
25	23.9	19.8	12.7	146	1.7	20.0	1.0	-4.0	25
30	23.9	19.8	12.8	146	1.7	30.0	1.3	-2.0	30
35	23.9	19.7	12.8	146	1.8	46.0	1.1	-2.0	35
40	23.8	19.6	12.7	146	1.8	16.0	1.2	-2.0	40
45	23.7	19.6	12.8	146	1.7	18.0	1.4	-2.0	45
50	23.6	19.5	13.0	145	1.7	14.0	1.0	-10.0	50
55	23.5	19.5	13.0	145	1.6	8.0	1.0	-8.0	55
60	23.3	19.4	12.8	144	1.6	12.0	1.2	-2.0	60
65	23.0	19.3	12.8	143	1.6	20.0	1.0	-8.0	65
70	22.9	19.3	11.7	143	1.7	52.0	1.5	-4.0	70
75	22.9	19.2	10.4	143	1.7	26.0	1.2	-2.0	75
80	22.8	19.2	11.2	143	1.6	6.0	0.8	-16.0	80
85	22.8	19.1	11.6	143	1.6	10.0	1.0	-8.0	85
90	22.8	19.0	11.7	140	1.5	8.0	1.0	-12.0	90
95	22.5	19.0	11.8	140	1.5	14.0	0.8	-6.0	95
100	22.3	19.0	11.8	140	1.4	8.0	1.0	-4.0	100
125	21.5	18.7	11.2	124	1.4	5.6	1.0	-0.8	125
150	20.9	18.4	11.7	108	1.4	8.0	0.9	-2.0	150
175	20.1	18.2	10.9	104	1.4	6.8	0.5	-2.0	175
200	19.8	18.1	12.2	95	1.4	5.2	0.5	-8.4	200
225	19.6	18.1	11.3	73	1.5	5.2	0.5	-5.6	225
250	19.4	18.2	11.2	30	1.4	2.0	0.4	-0.8	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

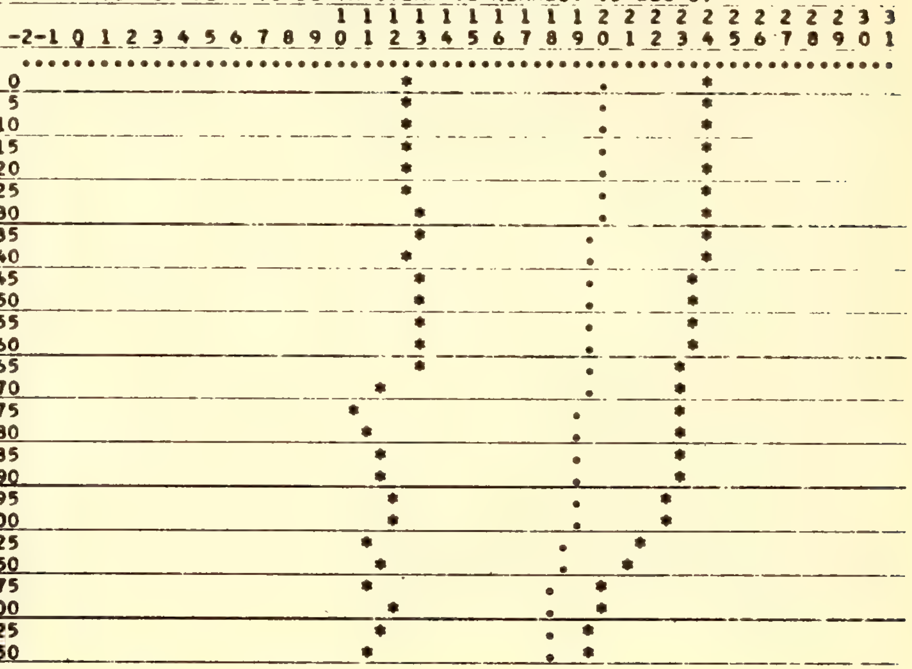
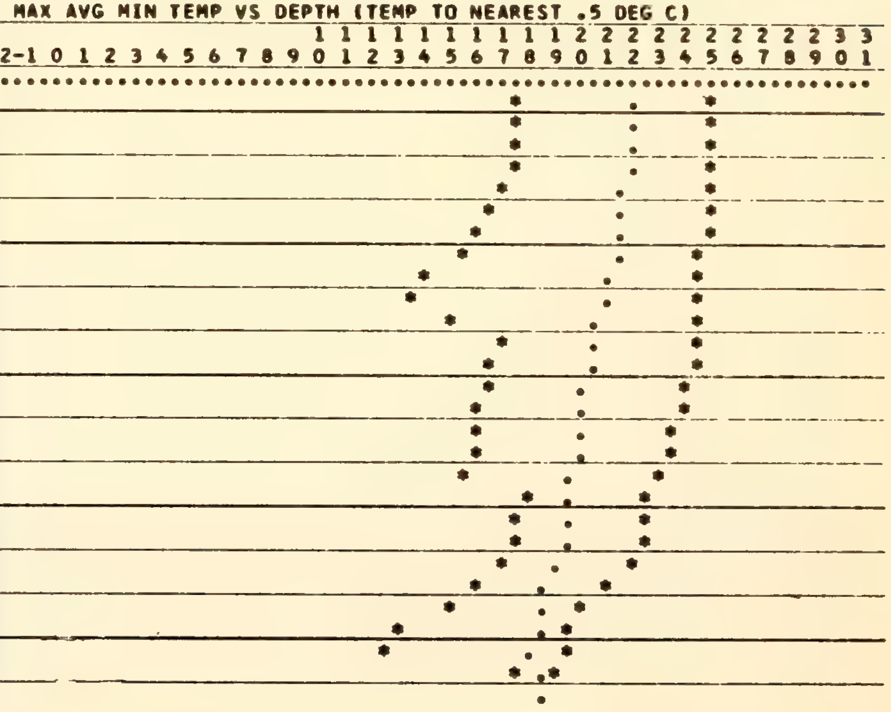


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7A MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.1	22.1	17.6	175	1.5	0.0	0.0	0.0	0
5	25.1	22.0	17.6	175	1.5	8.0	0.4	-4.0	5
10	25.1	21.9	17.5	175	1.5	34.0	1.8	-2.0	10
15	25.1	21.8	17.3	175	1.5	32.0	2.5	-4.0	15
20	25.0	21.7	17.0	175	1.5	30.0	2.4	-2.0	20
25	24.9	21.6	16.7	175	1.5	24.0	2.3	0.0	25
30	24.8	21.4	15.9	175	1.5	24.0	3.1	-4.0	30
35	24.7	21.3	15.3	175	1.5	18.0	3.3	-2.0	35
40	24.6	21.1	14.1	175	1.4	24.0	3.9	0.0	40
45	24.6	20.9	13.3	175	1.4	20.0	4.2	-2.0	45
50	24.6	20.7	14.9	172	1.4	22.0	3.3	-32.0	50
55	24.6	20.5	16.8	171	1.3	14.0	3.3	-38.0	55
60	24.6	20.4	16.7	171	1.2	26.0	3.4	0.0	60
65	24.2	20.2	16.4	168	1.2	32.0	2.9	-2.0	65
70	23.8	20.0	16.2	167	1.2	24.0	2.7	0.0	70
75	23.6	19.9	16.1	165	1.1	14.0	2.2	0.0	75
80	23.4	19.8	15.9	164	1.1	20.0	2.1	-6.0	80
85	23.0	19.7	15.7	162	1.0	12.0	2.3	0.0	85
90	22.7	19.6	17.8	158	1.0	18.0	2.1	-2.0	90
95	22.7	19.5	17.6	152	0.9	14.0	1.6	-8.0	95
100	22.5	19.4	17.3	152	0.9	12.0	1.9	-2.0	100
125	22.1	19.0	17.1	136	0.8	8.4	1.4	0.0	125
150	21.2	18.7	16.1	83	0.7	5.2	1.1	0.0	150
175	19.8	18.5	14.8	82	0.7	5.6	1.0	0.0	175
200	19.7	18.3	13.2	80	0.8	6.4	0.8	0.0	200
225	19.4	18.1	12.6	50	1.1	4.4	0.6	-0.4	225
250	19.1	18.3	17.7	31	0.3	1.2	0.3	-0.4	250
275	18.6	18.6	18.6	3	0.0	0.0	0.0	0.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7A MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.9	24.2	20.6	225	1.3	0.0	0.0	0.0	0
5	26.9	24.2	20.6	225	1.3	22.0	0.6	-10.0	5
10	26.9	24.1	20.6	225	1.4	26.0	1.1	-14.0	10
15	26.9	24.0	20.1	225	1.4	44.0	2.0	-2.0	15
20	26.9	23.9	19.6	225	1.4	42.0	2.4	-22.0	20
25	27.0	23.7	19.4	225	1.5	46.0	3.3	-2.0	25
30	27.1	23.5	19.2	225	1.6	28.0	4.0	-2.0	30
35	26.9	23.3	18.8	225	1.7	38.0	5.1	0.0	35
40	26.8	23.0	17.6	225	1.9	32.0	5.1	0.0	40
45	26.7	22.7	17.2	225	1.9	44.0	5.7	-6.0	45
50	26.4	22.5	17.1	225	2.0	26.0	5.1	0.0	50
55	26.1	22.2	16.8	225	2.0	20.0	5.0	0.0	55
60	25.8	22.0	16.6	224	2.0	20.0	4.6	-6.0	60
65	25.8	21.8	14.3	223	2.0	46.0	4.9	0.0	65
70	25.8	21.6	13.7	222	2.0	20.0	4.0	0.0	70
75	25.6	21.4	13.4	221	2.0	40.0	4.6	-2.0	75
80	25.4	21.2	12.8	220	2.0	18.0	3.7	0.0	80
85	25.4	21.0	13.3	220	2.0	16.0	3.6	-10.0	85
90	25.4	20.8	13.6	219	2.0	10.0	3.1	-6.0	90
95	24.9	20.7	13.3	211	1.9	20.0	3.1	-2.0	95
100	24.9	20.5	12.9	211	1.9	12.0	3.3	-4.0	100
125	24.2	19.9	15.3	197	1.5	8.4	2.8	0.0	125
150	23.1	19.5	17.9	167	1.2	6.0	2.0	0.0	150
175	22.2	19.1	17.8	159	0.9	6.4	1.5	0.0	175
200	21.6	18.9	17.8	139	0.7	4.8	1.0	0.0	200
225	20.6	18.7	17.7	118	0.5	4.0	0.8	-0.4	225
250	20.0	18.5	17.8	87	0.5	2.8	0.6	-0.4	250
275	18.4	18.1	17.9	9	0.1	0.4	0.1	0.0	275

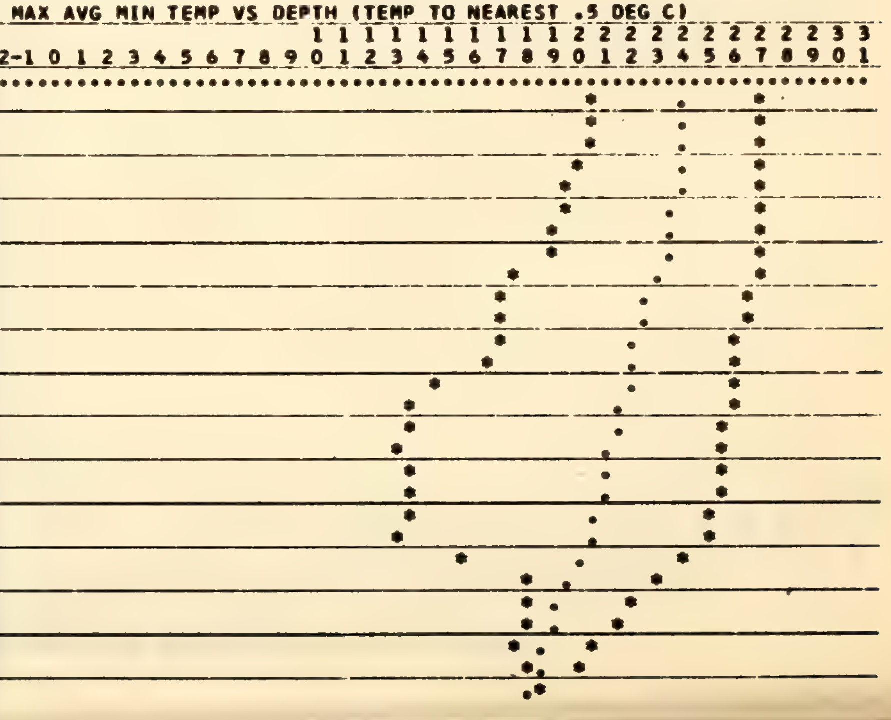


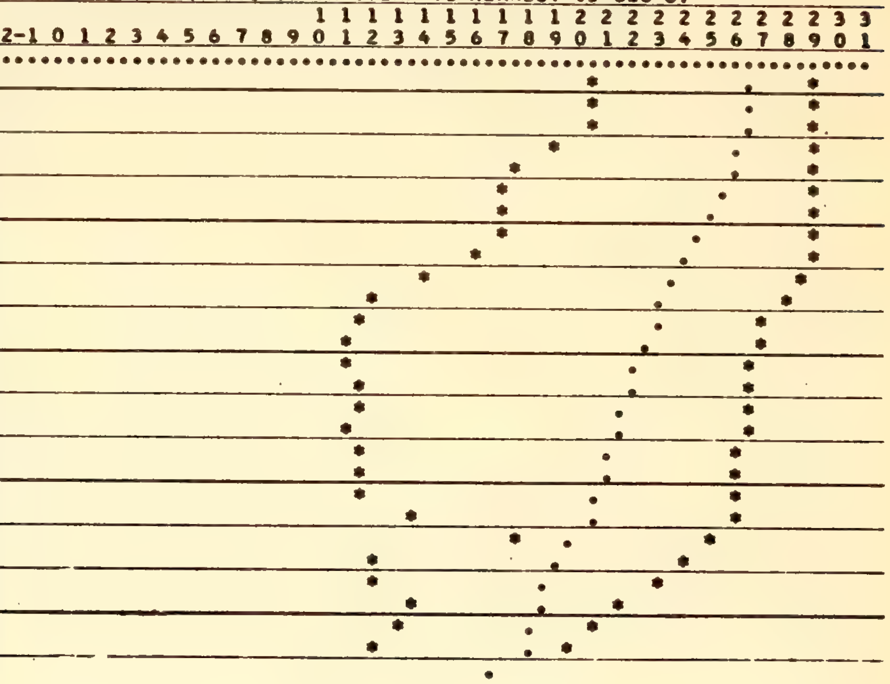
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7A   MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	29.2	26.5	20.6	254	1.2	0.0	0.0	0.0	0
5	29.2	26.4	20.5	254	1.2	20.0	1.2	-4.0	5
10	29.1	26.3	20.4	254	1.3	42.0	2.1	-20.0	10
15	29.2	26.2	18.8	254	1.4	36.0	2.8	-6.0	15
20	29.1	26.0	17.7	254	1.5	34.0	4.4	-6.0	20
25	29.0	25.6	16.9	254	1.6	52.0	7.6	-84.0	25
30	29.0	25.1	17.0	254	1.8	38.0	10.1	-2.0	30
35	29.0	24.5	17.0	254	2.0	38.0	10.2	0.0	35
40	29.0	24.1	16.1	253	2.1	44.0	9.6	-2.0	40
45	28.5	23.6	14.1	253	2.2	40.0	8.9	0.0	45
50	27.9	23.2	12.1	253	2.2	40.0	8.2	0.0	50
55	27.2	22.8	11.5	253	2.1	34.0	7.9	0.0	55
60	26.9	22.5	11.1	253	2.1	26.0	7.3	0.0	60
65	26.7	22.1	10.8	253	2.0	18.0	6.7	2.0	65
70	26.5	21.8	11.7	253	1.9	22.0	5.7	-18.0	70
75	26.4	21.6	11.7	253	1.9	30.0	5.5	0.0	75
80	26.3	21.3	10.8	253	1.9	18.0	4.8	-16.0	80
85	26.1	21.1	11.6	253	1.8	30.0	5.3	-16.0	85
90	26.1	20.8	11.4	251	1.8	78.0	4.7	-4.0	90
95	26.0	20.6	11.5	244	1.7	72.0	4.5	-2.0	95
100	26.0	20.4	13.3	244	1.6	20.0	3.8	-68.0	100
125	25.0	19.6	17.4	224	1.3	10.0	3.0	-4.0	125
150	24.0	19.0	12.2	187	1.2	20.8	2.1	0.0	150
175	22.9	18.7	12.2	183	1.1	9.2	1.4	0.0	175
200	21.6	18.4	13.7	176	1.1	13.6	1.2	-7.6	200
225	20.6	18.1	12.8	149	1.2	12.0	0.9	-2.0	225
250	19.7	17.9	11.8	91	1.4	8.4	0.7	0.0	250
275	16.5	16.5	16.5	1	0.0	1.2	1.2	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7A   MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	29.2	26.6	23.8	238	0.9	0.0	0.0	0.0	0
5	29.2	26.6	23.8	238	0.9	8.0	0.1	-6.0	5
10	29.1	26.5	23.8	238	0.9	6.0	0.3	-2.0	10
15	29.1	26.5	21.9	238	0.9	38.0	0.5	-6.0	15
20	29.1	26.5	14.9	238	1.1	140.0	1.1	-6.0	20
25	29.1	26.4	10.8	238	1.3	82.0	1.6	-4.0	25
30	29.1	26.2	9.0	238	1.4	40.0	2.9	-4.0	30
35	29.0	25.9	8.3	237	1.6	44.0	6.2	-2.0	35
40	28.8	25.5	8.6	235	1.8	36.0	7.8	-6.0	40
45	28.3	25.1	9.6	235	1.9	40.0	9.4	-20.0	45
50	28.3	24.6	10.0	234	1.9	34.0	9.1	-8.0	50
55	28.0	24.2	17.8	232	1.8	56.0	9.6	-44.0	55
60	27.8	23.8	16.4	231	1.8	60.0	9.2	-2.0	60
65	27.8	23.3	15.5	230	1.9	40.0	9.1	0.0	65
70	27.8	22.9	14.6	229	1.9	34.0	8.0	0.0	70
75	27.8	22.5	14.1	229	1.9	32.0	7.8	0.0	75
80	27.5	22.2	14.1	229	1.9	26.0	7.0	0.0	80
85	27.2	21.8	14.2	229	1.9	26.0	6.9	-12.0	85
90	26.9	21.5	13.6	229	1.9	30.0	5.9	-14.0	90
95	26.7	21.2	13.3	227	1.8	50.0	6.1	-6.0	95
100	26.7	20.9	13.3	227	1.8	28.0	5.5	-4.0	100
125	26.2	19.7	12.1	206	1.7	19.2	4.7	-4.4	125
150	21.7	18.8	12.1	173	1.6	14.0	3.2	-2.4	150
175	20.7	18.3	12.0	164	1.6	12.4	1.9	-7.2	175
200	19.8	18.0	11.4	152	1.7	10.0	1.3	-7.6	200
225	19.6	17.7	11.2	134	1.8	6.0	1.1	-0.8	225
250	19.3	17.3	10.2	83	2.2	4.4	0.8	-1.6	250
275	18.9	18.7	18.5	2	0.2	0.4	0.2	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

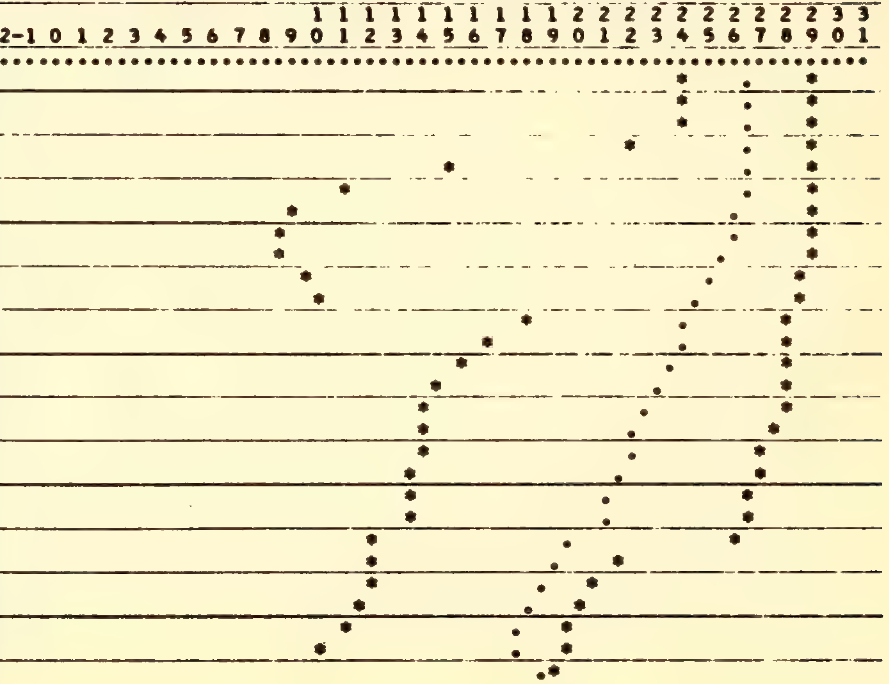


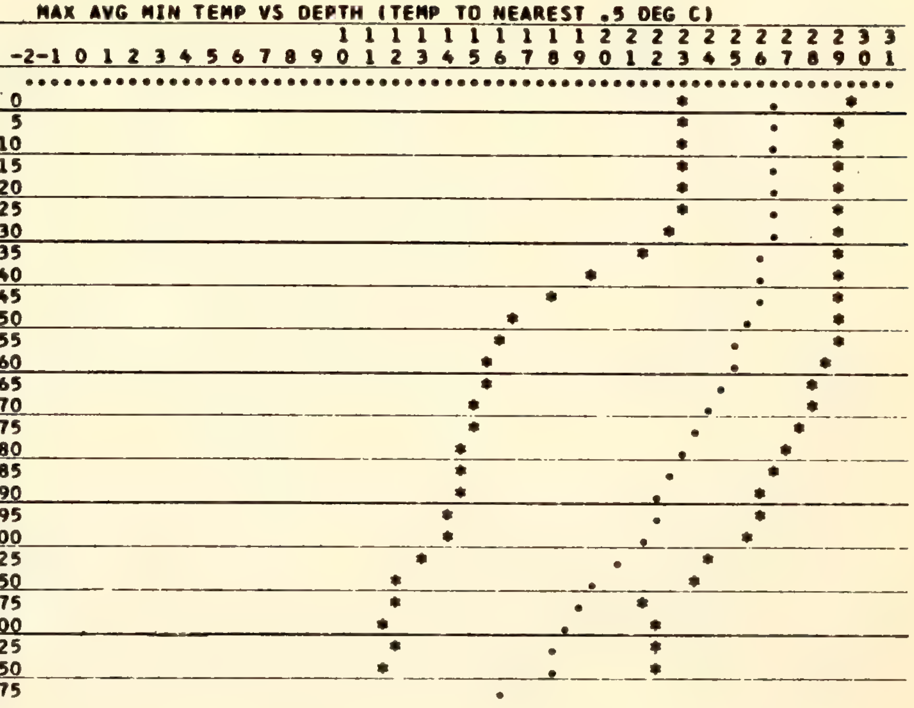
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7A MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	
0	29.3	26.4	23.2	122	0.8	0.0	0.0	0.0	0
5	29.2	26.4	23.2	122	0.8	6.0	0.2	-4.0	5
10	29.1	26.4	23.2	122	0.8	6.0	0.2	-2.0	10
15	29.1	26.4	23.2	122	0.8	4.0	0.2	-4.0	15
20	29.0	26.4	23.1	122	0.8	4.0	0.2	-4.0	20
25	29.0	26.4	23.1	122	0.8	14.0	0.4	-2.0	25
30	29.0	26.3	22.7	122	0.8	42.0	1.0	-2.0	30
35	29.0	26.2	21.6	122	0.9	24.0	1.7	-2.0	35
40	29.0	26.1	19.6	122	1.1	40.0	2.8	-4.0	40
45	28.9	25.9	18.1	122	1.2	34.0	4.0	-2.0	45
50	28.9	25.6	16.7	121	1.4	28.0	5.7	0.0	50
55	28.9	25.2	15.9	120	1.6	46.0	7.5	0.0	55
60	28.3	24.8	15.6	120	1.7	40.0	9.0	0.0	60
65	27.8	24.3	15.3	120	1.8	50.0	9.7	0.0	65
70	27.8	23.9	15.1	120	1.8	34.0	8.7	0.0	70
75	27.7	23.5	14.9	119	1.9	90.0	8.3	0.0	75
80	27.1	23.0	14.6	118	1.9	44.0	8.6	0.0	80
85	26.6	22.6	14.5	117	2.0	42.0	8.4	0.0	85
90	26.1	22.2	14.4	116	2.0	52.0	8.1	0.0	90
95	25.9	21.9	14.2	113	1.9	24.0	6.9	0.0	95
100	25.7	21.6	14.1	113	1.9	22.0	6.2	2.0	100
125	24.1	20.3	12.8	104	2.1	27.2	5.9	-0.4	125
150	23.3	19.5	12.2	86	1.9	16.0	3.2	-17.2	150
175	21.7	18.9	11.9	86	1.8	7.6	2.7	-1.2	175
200	21.8	18.4	11.5	84	1.8	7.2	1.8	-2.0	200
225	21.9	18.1	11.9	83	1.8	5.2	1.1	-2.8	225
250	22.1	17.9	11.5	60	2.2	5.2	0.6	-1.2	250
275	16.0	16.0	16.0	1	0.0	0.4	0.4	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7A MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	
0	28.6	25.2	22.8	97	1.2	0.0	0.0	0.0	0
5	28.3	25.2	22.8	97	1.2	6.0	0.0	-4.0	5
10	28.3	25.2	22.8	97	1.2	2.0	0.1	-2.0	10
15	28.3	25.2	22.7	97	1.2	4.0	0.2	-2.0	15
20	28.3	25.2	22.7	97	1.2	10.0	0.1	-2.0	20
25	28.2	25.1	22.7	97	1.1	12.0	0.4	-2.0	25
30	28.1	25.1	22.7	97	1.1	12.0	0.7	-2.0	30
35	28.1	25.0	22.7	97	1.1	44.0	1.1	-2.0	35
40	28.1	25.0	22.7	97	1.1	30.0	1.1	-2.0	40
45	28.1	24.9	22.7	97	1.1	16.0	0.9	-2.0	45
50	28.1	24.8	22.6	97	1.1	38.0	2.0	-6.0	50
55	27.9	24.7	22.3	96	1.1	46.0	2.8	-4.0	55
60	27.8	24.5	21.8	96	1.2	40.0	3.5	-6.0	60
65	27.2	24.2	21.2	95	1.2	36.0	5.9	-2.0	65
70	27.1	23.9	19.8	95	1.4	40.0	6.7	0.0	70
75	27.0	23.5	19.2	93	1.7	54.0	7.9	-2.0	75
80	26.6	23.2	18.5	90	1.9	34.0	6.5	-2.0	80
85	26.4	22.8	17.2	90	2.1	38.0	7.3	0.0	85
90	26.3	22.5	16.2	90	2.2	42.0	7.0	0.0	90
95	26.3	22.1	15.9	88	2.4	42.0	7.7	-6.0	95
100	26.2	21.7	14.9	88	2.5	48.0	8.5	-4.0	100
125	25.7	20.0	12.7	77	3.0	24.0	6.6	0.0	125
150	24.9	18.9	11.9	70	2.9	26.8	4.3	-3.2	150
175	22.8	18.1	11.3	67	2.6	15.6	2.7	-2.4	175
200	20.8	17.6	11.1	61	2.5	6.4	2.0	0.0	200
225	19.8	17.6	11.6	50	2.1	10.4	1.5	-2.4	225
250	19.5	17.7	11.5	27	1.6	8.0	1.1	-1.6	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

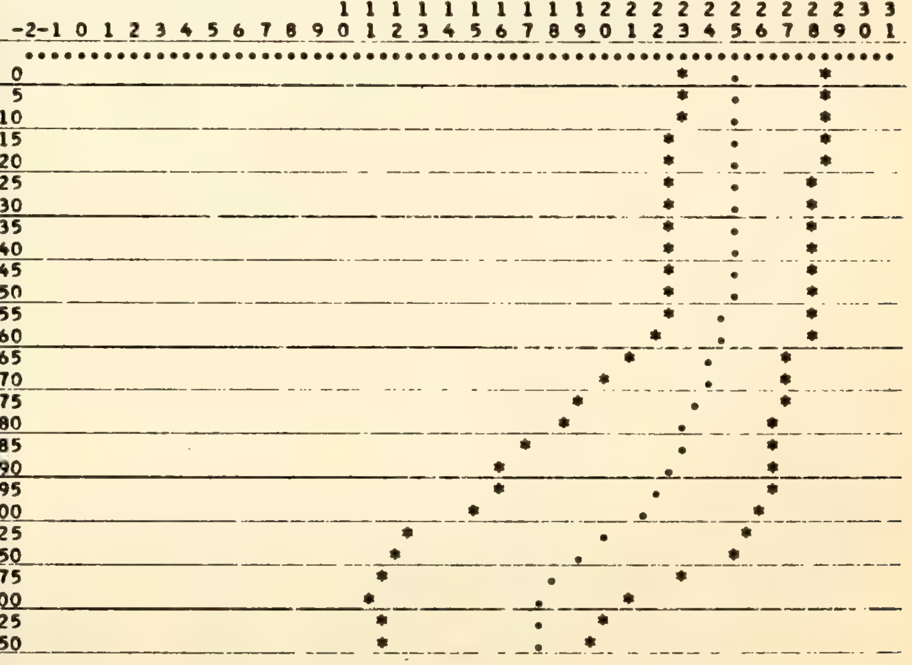
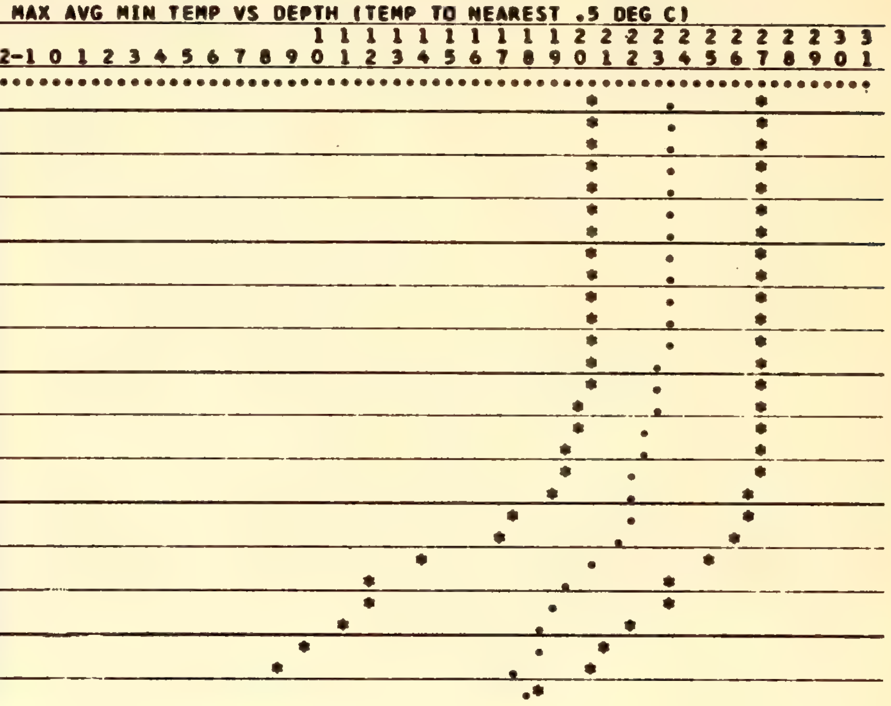


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7A MONTH 11

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	26.9	23.6	20.7	331	0.9	0.0	0.0	0.0	0
5	26.9	23.6	20.7	331	0.9	12.0	0.0	-4.0	5
10	26.9	23.6	20.7	331	0.9	6.0	0.1	-2.0	10
15	26.9	23.6	20.6	331	0.9	6.0	0.1	-4.0	15
20	26.9	23.6	20.6	331	0.9	6.0	0.2	-2.0	20
25	26.9	23.6	20.6	331	0.9	12.0	0.1	-2.0	25
30	26.9	23.5	20.4	331	0.9	8.0	0.3	-4.0	30
35	26.9	23.5	20.4	331	0.9	6.0	0.3	-2.0	35
40	26.9	23.5	20.4	330	0.9	8.0	0.4	-2.0	40
45	26.9	23.5	20.4	330	0.9	18.0	0.4	-2.0	45
50	26.9	23.4	20.4	329	0.9	26.0	0.9	-2.0	50
55	26.9	23.3	20.4	329	0.9	26.0	2.0	-2.0	55
60	26.8	23.2	20.4	329	1.0	38.0	2.8	-2.0	60
65	26.9	23.0	20.4	326	1.1	30.0	4.0	-2.0	65
70	26.9	22.8	20.1	326	1.2	28.0	3.8	-2.0	70
75	26.9	22.6	19.9	325	1.3	30.0	3.5	-2.0	75
80	26.9	22.4	19.7	323	1.4	24.0	3.4	-16.0	80
85	26.8	22.2	19.3	321	1.5	44.0	4.2	-6.0	85
90	26.5	22.0	19.0	319	1.6	36.0	4.0	-2.0	90
95	26.3	21.8	17.5	314	1.7	50.0	4.4	-4.0	95
100	26.2	21.5	17.0	314	1.8	36.0	4.4	-6.0	100
125	24.9	20.5	14.0	289	1.8	18.4	4.0	-0.8	125
150	23.7	19.6	12.1	257	1.7	18.4	3.1	-0.4	150
175	23.5	19.0	12.0	254	1.5	16.8	2.5	0.0	175
200	22.1	18.6	11.2	248	1.4	10.0	1.7	-0.4	200
225	21.2	18.3	9.7	233	1.5	7.6	1.2	0.0	225
250	20.7	17.7	8.6	141	1.8	5.2	1.1	-0.8	250
275	18.3	18.2	18.2	3	0.0	0.8	0.5	0.4	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 7A MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	25.4	21.5	16.9	162	1.1	0.0	0.0	0.0	0
5	25.4	21.5	16.9	162	1.1	4.0	0.0	-4.0	5
10	25.4	21.5	16.9	162	1.1	2.0	0.0	-2.0	10
15	25.3	21.4	16.9	162	1.1	6.0	0.2	-4.0	15
20	25.2	21.4	16.9	162	1.1	10.0	0.1	-4.0	20
25	25.2	21.4	16.9	162	1.1	8.0	0.2	-2.0	25
30	25.1	21.4	16.9	162	1.0	6.0	0.2	-4.0	30
35	25.1	21.4	16.9	162	1.0	6.0	0.2	-2.0	35
40	25.0	21.4	16.9	162	1.0	8.0	0.2	-2.0	40
45	24.7	21.4	16.9	162	1.0	6.0	0.3	-2.0	45
50	24.2	21.4	16.9	162	1.0	12.0	0.3	-2.0	50
55	24.2	21.4	16.9	162	1.0	10.0	0.3	-2.0	55
60	24.2	21.3	16.9	162	1.0	8.0	0.5	0.0	60
65	24.2	21.3	16.9	162	1.0	10.0	0.3	-2.0	65
70	24.2	21.3	16.9	162	1.0	18.0	0.5	-2.0	70
75	24.2	21.3	16.9	161	1.0	12.0	0.5	-2.0	75
80	24.1	21.3	16.9	159	1.0	16.0	0.7	0.0	80
85	24.1	21.2	16.9	157	1.0	26.0	0.9	-4.0	85
90	24.1	21.1	16.9	154	1.0	20.0	1.1	-2.0	90
95	24.1	21.1	16.9	154	0.9	20.0	1.3	-4.0	95
100	24.1	21.0	16.9	154	1.0	20.0	1.3	-4.0	100
125	23.9	20.6	16.8	150	1.0	8.8	1.5	-0.4	125
150	23.5	20.1	16.2	136	1.0	7.2	2.5	-0.4	150
175	22.7	19.5	15.3	125	0.9	7.2	2.6	0.0	175
200	21.5	19.0	14.8	119	0.8	6.4	2.2	0.0	200
225	21.0	18.5	14.4	93	0.6	5.2	1.2	-0.8	225
250	20.0	18.2	17.8	39	0.4	1.6	0.9	-0.4	250

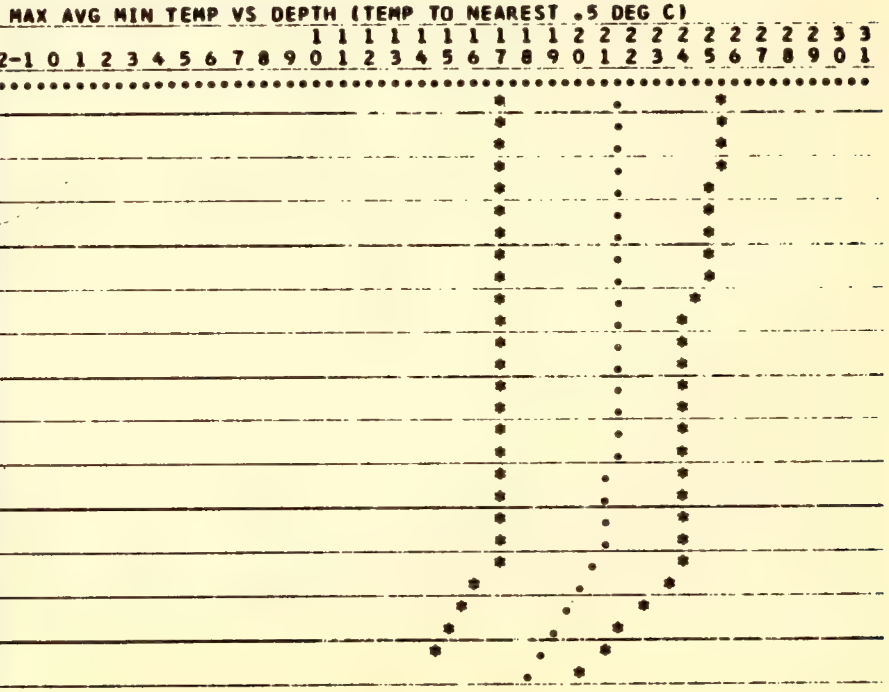
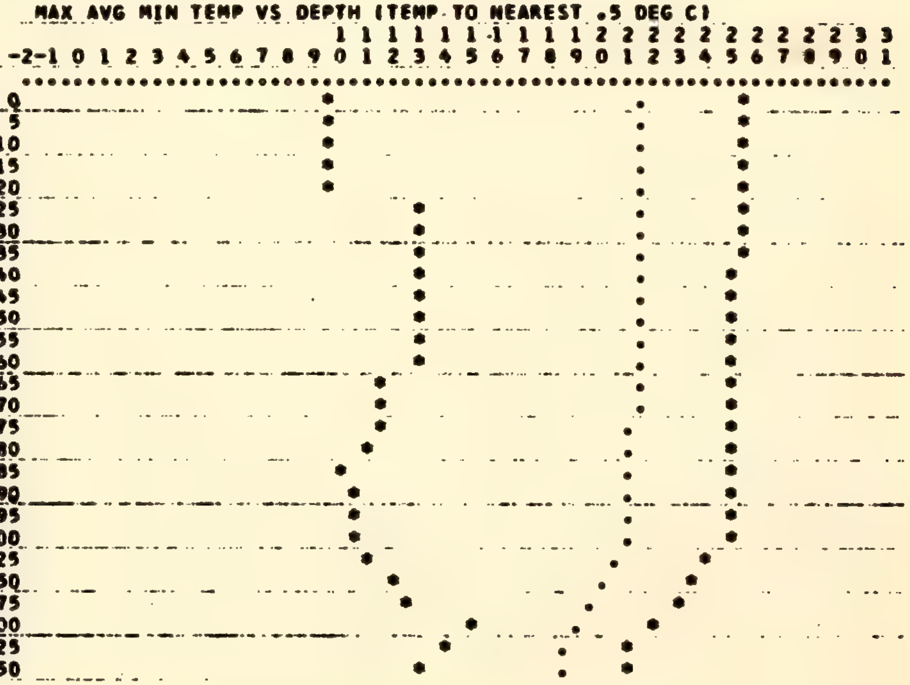


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 8 MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.3	21.6	9.4	275	2.2	0.0	0.0	0.0	0
5	25.3	21.6	9.4	275	2.2	10.0	0.0	-6.0	5
10	25.3	21.6	9.4	275	2.2	12.0	0.2	-4.0	10
15	25.3	21.6	9.4	275	2.2	10.0	0.3	-4.0	15
20	25.3	21.5	9.6	275	2.1	16.0	0.4	-38.0	20
25	25.4	21.6	12.8	273	1.9	18.0	0.6	-34.0	25
30	25.4	21.6	12.8	272	1.8	36.0	1.0	-6.0	30
35	25.4	21.5	12.8	269	1.8	36.0	1.0	-2.0	35
40	25.2	21.5	12.8	264	1.8	62.0	1.1	-2.0	40
45	25.2	21.5	12.8	262	1.8	18.0	1.0	-2.0	45
50	25.2	21.5	12.9	261	1.8	28.0	0.8	-2.0	50
55	25.2	21.4	12.9	258	1.8	22.0	0.9	-2.0	55
60	25.1	21.4	12.8	257	1.8	26.0	1.3	-4.0	60
65	25.1	21.4	11.6	248	1.8	66.0	1.2	-6.0	65
70	25.1	21.3	11.4	248	1.9	58.0	1.2	-12.0	70
75	25.1	21.2	11.3	246	1.9	60.0	1.4	-4.0	75
80	25.0	21.2	10.8	237	1.9	22.0	0.8	-2.0	80
85	25.0	21.1	10.2	235	1.9	20.0	1.2	-2.0	85
90	25.0	21.1	10.7	233	1.9	22.0	1.2	-14.0	90
95	25.0	21.0	10.6	222	2.0	38.0	1.4	-6.0	95
100	25.0	20.9	10.3	222	2.0	28.0	1.8	-2.0	100
125	24.0	20.3	10.9	170	2.0	18.8	1.8	-5.2	125
150	23.3	20.0	11.9	99	1.7	8.0	1.9	-4.4	150
175	22.8	19.5	12.6	93	1.4	9.2	2.5	-2.8	175
200	22.0	19.1	14.9	83	1.0	7.2	2.3	-2.4	200
225	21.2	18.7	13.8	77	0.9	5.2	1.7	0.0	225
250	20.8	18.5	13.2	72	0.8	4.8	1.1	0.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 8 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.1	20.2	7.9	248	1.9	0.0	0.0	0.0	0
5	25.1	20.2	8.0	248	1.9	8.0	-0.1	-4.0	5
10	25.1	20.2	8.2	248	1.9	6.0	-0.1	-18.0	10
15	25.1	20.2	8.7	247	1.8	12.0	0.1	-10.0	15
20	25.1	20.3	10.7	246	1.6	6.0	0.1	-30.0	20
25	25.1	20.3	17.6	244	1.5	14.0	0.4	-2.0	25
30	25.1	20.3	17.5	244	1.5	36.0	0.4	-4.0	30
35	25.1	20.3	16.8	244	1.5	24.0	0.4	-2.0	35
40	25.1	20.2	16.7	244	1.5	10.0	0.3	-4.0	40
45	25.1	20.2	17.7	240	1.5	16.0	0.7	-2.0	45
50	25.1	20.2	17.7	239	1.5	12.0	0.4	-2.0	50
55	25.1	20.2	17.6	238	1.5	12.0	0.6	-2.0	55
60	25.1	20.1	17.4	236	1.4	16.0	0.9	-2.0	60
65	25.1	20.1	17.5	230	1.4	18.0	0.7	0.0	65
70	25.1	20.0	17.3	230	1.4	16.0	0.8	-2.0	70
75	25.1	20.0	17.3	229	1.4	8.0	0.7	-2.0	75
80	25.1	20.0	17.1	222	1.4	10.0	0.5	-2.0	80
85	25.1	20.0	16.6	220	1.4	10.0	0.8	-4.0	85
90	25.1	20.0	16.1	212	1.4	16.0	0.7	-4.0	90
95	24.6	19.9	15.3	198	1.4	18.0	0.5	-2.0	95
100	24.7	19.9	15.1	198	1.4	8.0	0.5	-2.0	100
125	24.2	19.7	13.9	162	1.4	8.8	0.7	-0.8	125
150	24.2	19.3	13.1	128	1.4	8.4	1.1	-0.8	150
175	23.3	19.1	12.0	125	1.4	8.4	1.0	-0.8	175
200	22.1	19.0	10.9	113	1.3	7.6	1.0	-3.2	200
225	21.3	18.7	10.4	81	1.5	6.0	1.2	-0.4	225
250	19.9	18.3	9.9	56	1.8	6.0	1.2	-0.4	250
275	19.1	17.4	15.1	3	2.0	5.2	2.8	1.2	275

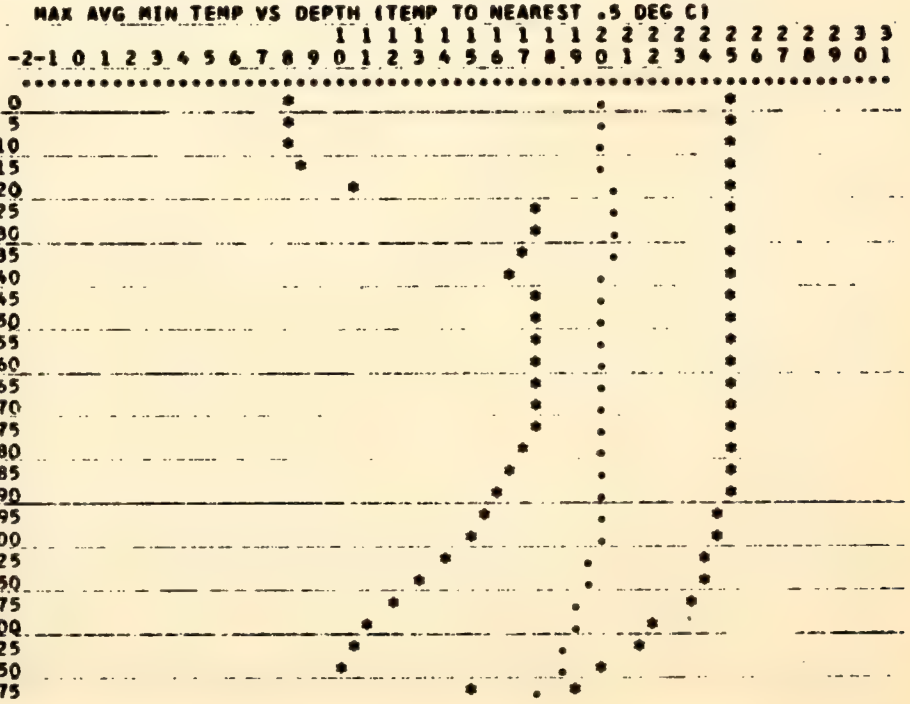


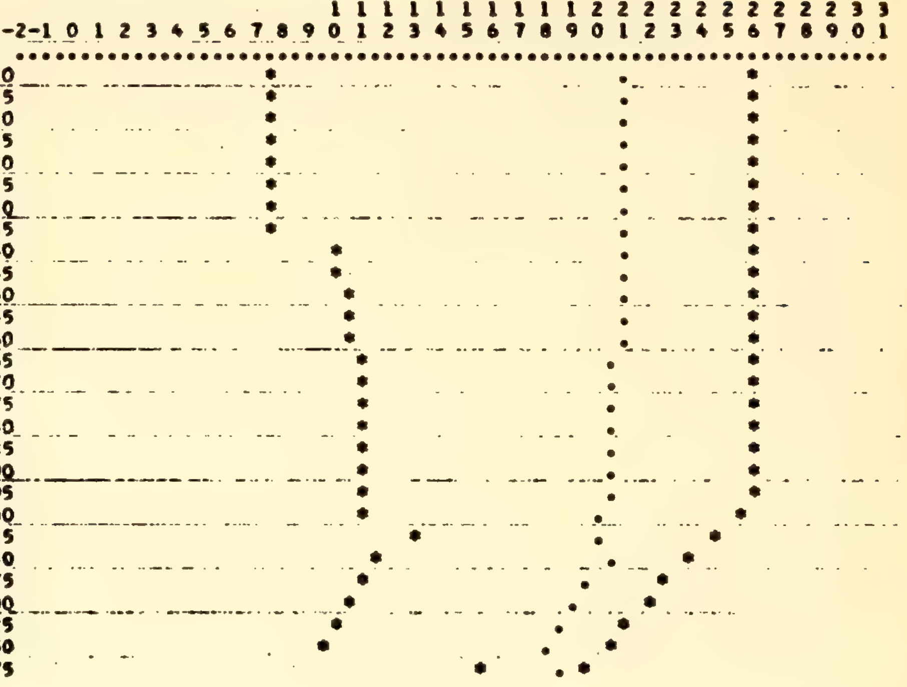
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 8 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.9	21.2	7.7	497	2.5	0.0	0.0	0.0	0
5	25.9	21.2	7.6	497	2.5	14.0	0.1	-10.0	5
10	25.9	21.2	7.4	497	2.5	12.0	0.3	-4.0	10
15	25.9	21.2	7.4	496	2.5	22.0	0.5	-14.0	15
20	25.9	21.2	7.4	494	2.5	32.0	0.7	-8.0	20
25	26.0	21.1	7.4	492	2.5	54.0	0.8	-6.0	25
30	26.0	21.1	7.4	492	2.4	14.0	0.9	-6.0	30
35	26.0	21.1	7.4	489	2.4	20.0	0.8	-6.0	35
40	26.0	21.1	9.9	484	2.3	22.0	1.1	-4.0	40
45	26.0	21.0	10.2	484	2.3	20.0	1.3	-6.0	45
50	26.0	20.9	10.3	483	2.3	22.0	1.3	-6.0	50
55	26.1	20.9	10.4	482	2.3	22.0	1.4	-6.0	55
60	26.1	20.8	10.6	477	2.3	18.0	1.4	-4.0	60
65	26.1	20.7	10.8	466	2.2	20.0	1.5	-4.0	65
70	26.1	20.6	10.9	464	2.2	16.0	1.4	-2.0	70
75	26.1	20.6	11.0	460	2.2	14.0	1.3	-4.0	75
80	26.1	20.5	11.0	458	2.2	16.0	1.4	-8.0	80
85	26.1	20.4	11.1	454	2.2	18.0	1.9	-2.0	85
90	26.0	20.4	11.1	449	2.2	22.0	1.7	-4.0	90
95	25.9	20.3	11.1	434	2.1	24.0	1.9	-2.0	95
100	25.5	20.2	11.1	434	2.1	18.0	1.9	-2.0	100
125	24.3	20.0	12.9	287	2.0	11.2	1.7	-0.8	125
150	23.6	20.4	11.7	96	2.2	7.6	2.1	0.0	150
175	22.7	19.6	11.0	90	2.5	9.2	2.4	0.0	175
200	21.8	19.1	10.4	85	2.6	7.6	2.2	0.0	200
225	21.1	18.5	10.1	80	2.7	9.2	2.6	-0.4	225
250	20.4	17.9	9.6	75	2.7	7.2	2.3	-0.4	250
275	19.3	18.3	15.6	5	1.5	2.4	0.9	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 8 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.3	21.1	8.8	631	2.1	0.0	0.0	0.0	0
5	26.3	21.1	8.8	631	2.1	14.0	0.3	-8.0	5
10	26.3	21.1	8.7	631	2.1	42.0	0.6	-8.0	10
15	26.3	21.0	8.6	631	2.2	32.0	1.0	-4.0	15
20	26.3	20.9	4.6	630	2.3	22.0	1.9	-4.0	20
25	26.3	20.9	7.8	629	2.2	40.0	1.1	-10.0	25
30	26.2	20.8	7.6	626	2.2	42.0	2.0	-2.0	30
35	26.2	20.7	8.1	625	2.2	24.0	1.7	-10.0	35
40	26.1	20.6	8.6	624	2.2	26.0	1.8	-10.0	40
45	26.1	20.5	8.5	622	2.2	28.0	1.9	-8.0	45
50	26.1	20.4	8.4	617	2.1	38.0	1.8	-4.0	50
55	26.1	20.4	8.4	594	2.2	18.0	1.8	-2.0	55
60	25.9	20.3	8.4	594	2.1	28.0	2.1	-4.0	60
65	25.3	20.2	8.7	588	2.1	28.0	2.1	-6.0	65
70	25.3	20.1	9.2	588	2.1	24.0	2.2	-10.0	70
75	25.3	20.0	9.8	582	2.0	18.0	1.9	-12.0	75
80	25.0	19.9	10.9	581	2.0	20.0	1.8	-22.0	80
85	24.8	19.8	11.2	577	2.0	28.0	2.2	-20.0	85
90	24.8	19.7	11.2	570	2.0	18.0	1.9	-4.0	90
95	24.6	19.7	12.1	559	1.9	26.0	1.9	-2.0	95
100	24.3	19.6	12.2	559	1.9	20.0	2.0	-4.0	100
125	24.1	19.2	11.8	487	2.0	13.2	2.0	-0.4	125
150	23.8	19.0	11.5	345	2.2	12.4	2.0	-0.4	150
175	21.9	18.5	10.6	337	2.2	10.8	2.2	-0.4	175
200	21.2	18.0	10.0	320	2.4	10.0	1.9	-0.4	200
225	21.1	17.6	9.2	285	2.7	9.2	1.9	-0.4	225
250	20.5	16.9	8.9	206	3.1	10.0	2.4	0.0	250
275	18.5	16.0	11.9	3	3.6	5.2	2.8	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

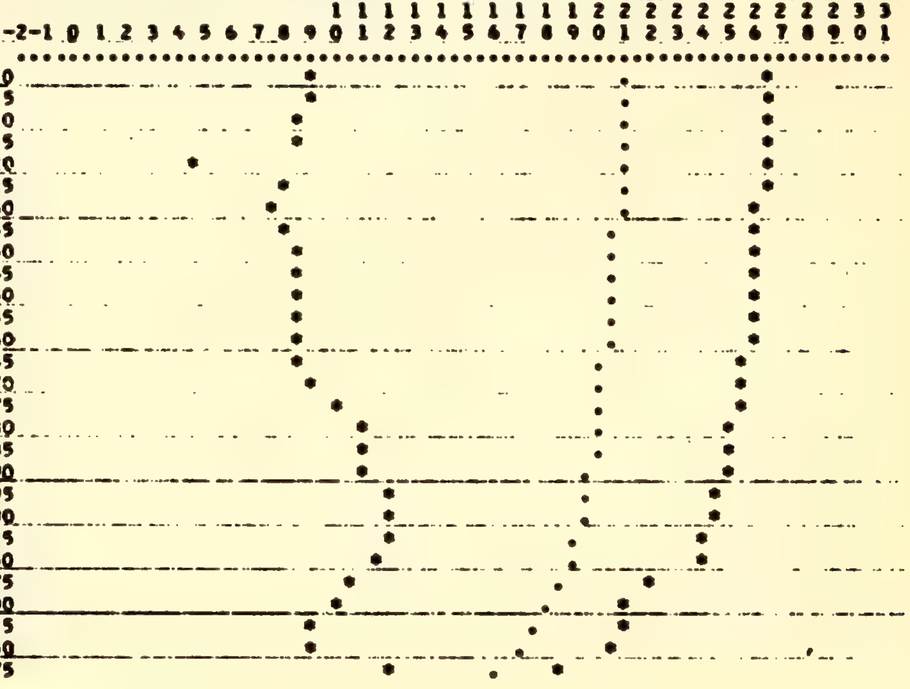


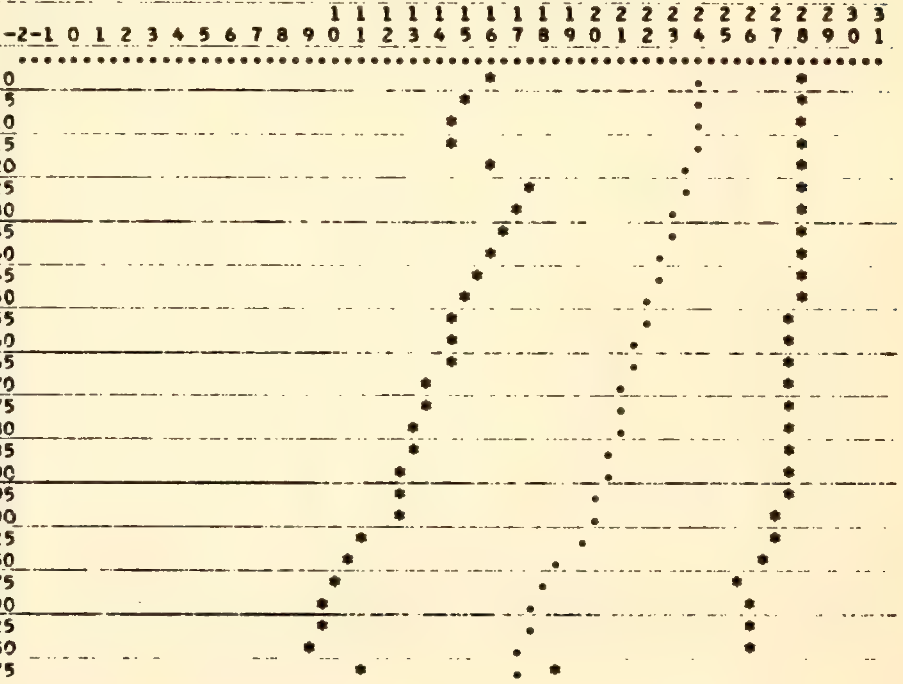
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 8 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.9	24.0	15.8	1059	1.9	0.0	0.0	0.0	0
5	27.9	24.0	15.1	1059	1.9	18.0	0.8	-10.0	5
10	27.9	23.9	14.6	1059	1.9	42.0	1.3	-8.0	10
15	27.9	23.8	14.7	1059	2.0	42.0	2.1	-6.0	15
20	27.9	23.6	15.9	1059	2.0	48.0	3.2	-24.0	20
25	27.9	23.4	17.7	1057	2.1	112.0	4.2	-36.0	25
30	27.9	23.2	16.8	1055	2.2	40.0	5.0	-22.0	30
35	27.9	22.9	16.6	1043	2.3	44.0	5.4	-2.0	35
40	27.8	22.7	16.1	1022	2.3	36.0	6.0	-12.0	40
45	27.8	22.4	15.3	1012	2.4	44.0	6.5	-24.0	45
50	27.8	22.1	14.9	996	2.4	40.0	5.7	-22.0	50
55	27.7	21.9	14.6	979	2.4	42.0	5.2	-54.0	55
60	27.6	21.7	14.4	974	2.4	42.0	5.2	-10.0	60
65	27.4	21.4	14.3	958	2.4	54.0	5.3	-2.0	65
70	27.4	21.2	13.7	952	2.4	32.0	4.9	-10.0	70
75	27.4	21.0	13.4	945	2.5	32.0	4.3	-2.0	75
80	27.4	20.8	13.2	938	2.5	40.0	4.1	-2.0	80
85	27.4	20.6	13.0	935	2.5	30.0	4.4	-6.0	85
90	27.4	20.4	12.7	929	2.5	106.0	4.1	-6.0	90
95	27.4	20.2	12.5	913	2.6	38.0	3.6	-100.0	95
100	27.2	20.0	12.3	913	2.6	24.0	3.6	-4.0	100
125	26.8	19.3	11.1	810	2.7	15.2	3.3	-0.4	125
150	26.3	18.6	10.5	633	3.0	20.8	3.1	-2.4	150
175	25.7	18.0	9.8	605	3.1	17.6	2.9	-0.8	175
200	25.9	17.6	9.6	523	3.2	17.6	2.5	-1.2	200
225	26.1	17.3	9.4	330	3.3	10.8	1.9	-0.8	225
250	26.1	17.2	8.8	132	3.3	12.0	1.6	-9.2	250
275	18.5	17.0	10.8	7	2.7	4.4	0.9	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 8 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.7	26.1	15.4	1308	1.6	0.0	0.0	0.0	0
5	29.2	26.1	15.4	1308	1.6	46.0	1.0	-64.0	5
10	29.0	26.0	15.4	1308	1.7	54.0	2.0	-26.0	10
15	29.0	25.8	14.8	1308	1.8	70.0	4.2	-12.0	15
20	29.0	25.4	12.8	1307	2.1	68.0	6.5	-36.0	20
25	29.0	25.0	9.7	1299	2.3	88.0	8.0	-6.0	25
30	28.9	24.6	8.4	1292	2.5	128.0	9.0	-2.0	30
35	28.6	24.2	8.1	1258	2.6	82.0	9.4	-6.0	35
40	28.3	23.9	8.6	1223	2.6	64.0	9.0	-38.0	40
45	28.2	23.5	9.0	1197	2.7	44.0	8.6	-22.0	45
50	28.2	23.2	10.0	1176	2.7	34.0	7.6	-20.0	50
55	28.2	22.9	10.8	1160	2.7	26.0	7.0	-16.0	55
60	28.2	22.6	10.3	1155	2.8	32.0	7.1	-8.0	60
65	28.1	22.2	10.5	1141	2.7	42.0	7.4	-4.0	65
70	27.8	21.9	10.7	1138	2.8	40.0	6.8	-50.0	70
75	27.4	21.6	13.2	1130	2.7	56.0	6.4	-28.0	75
80	27.2	21.3	12.9	1123	2.7	26.0	6.0	0.0	80
85	26.8	21.0	12.3	1119	2.8	30.0	6.1	-8.0	85
90	26.4	20.8	11.9	1115	2.8	28.0	5.4	-4.0	90
95	26.3	20.5	11.2	1105	2.8	30.0	5.5	-10.0	95
100	26.0	20.2	9.8	1105	2.8	30.0	5.3	-8.0	100
125	25.1	19.2	10.3	1050	2.7	18.8	4.6	0.0	125
150	24.1	18.3	9.9	928	2.8	16.8	4.0	-0.4	150
175	23.4	17.5	9.5	883	2.8	16.9	3.7	-0.4	175
200	22.6	16.9	8.8	802	2.9	19.2	3.0	0.0	200
225	21.9	17.3	8.3	484	2.4	12.0	2.5	-0.4	225
250	21.6	17.1	8.9	355	2.4	11.6	2.1	-0.8	250
275	20.3	16.8	10.7	175	2.4	8.0	1.9	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

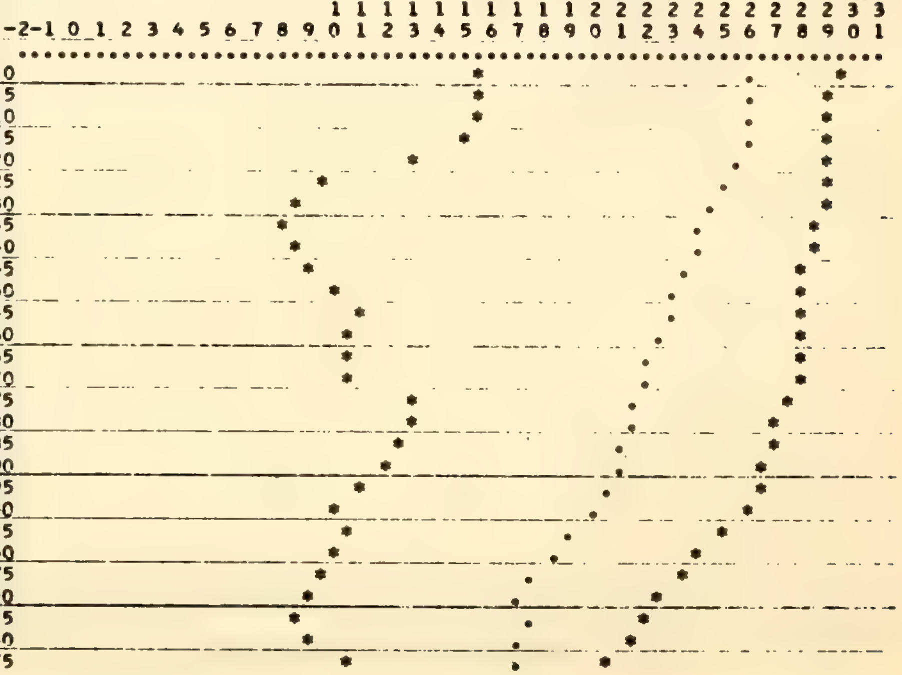
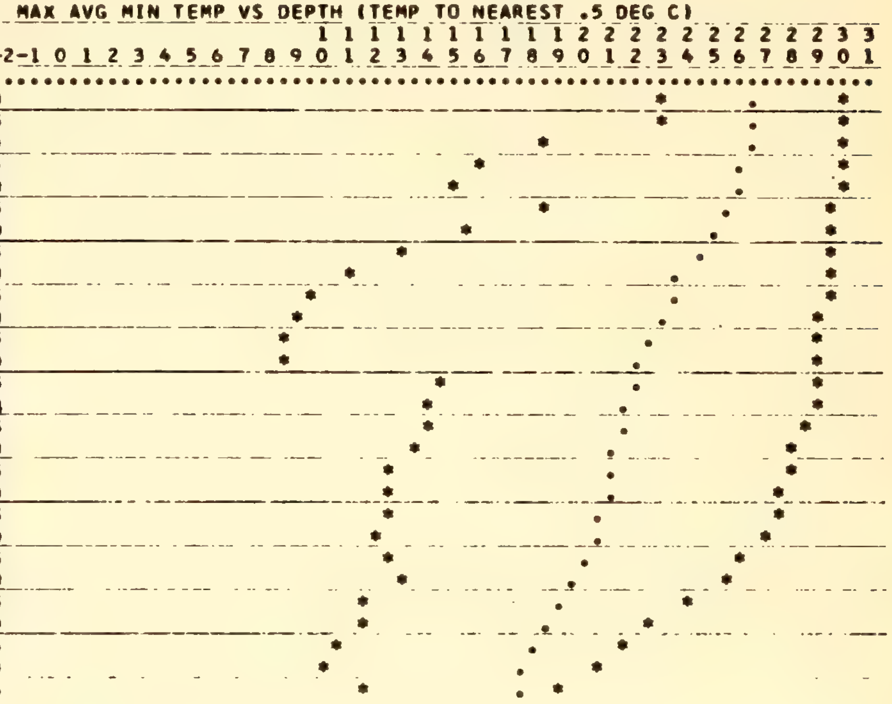


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 8 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	 AVG	 MIN	
0	30.2	26.5	23.2	497	1.4	0.0	0.0	0.0	0
5	30.1	26.4	23.2	497	1.4	22.0	0.7	-10.0	5
10	29.9	26.4	18.7	497	1.4	126.0	1.4	-10.0	10
15	29.8	26.2	16.0	496	1.5	56.0	2.5	-4.0	15
20	29.8	25.9	15.1	495	1.6	58.0	6.4	-4.0	20
25	29.6	25.5	18.7	494	1.8	92.0	9.3	-18.0	25
30	29.4	24.9	15.3	491	2.1	102.0	11.9	-2.0	30
35	29.4	24.3	13.1	490	2.3	112.0	11.8	-86.0	35
40	29.4	23.7	11.2	488	2.4	54.0	10.7	-2.0	40
45	29.4	23.3	9.6	487	2.5	36.0	9.0	0.0	45
50	29.2	22.9	8.8	481	2.6	50.0	8.0	-4.0	50
55	28.9	22.5	8.6	478	2.6	48.0	7.6	-4.0	55
60	28.9	22.1	8.6	467	2.7	182.0	7.0	-6.0	60
65	28.9	21.9	14.3	429	2.3	28.0	5.7	-208.0	65
70	28.9	21.6	14.2	429	2.3	22.0	5.4	-4.0	70
75	28.7	21.4	13.9	424	2.2	24.0	5.0	-2.0	75
80	28.1	21.2	13.4	419	2.2	18.0	4.4	0.0	80
85	27.8	21.0	12.4	418	2.2	20.0	4.6	-2.0	85
90	27.6	20.8	12.3	411	2.1	18.0	3.9	-2.0	90
95	27.3	20.6	12.4	392	2.1	22.0	3.8	-2.0	95
100	26.9	20.4	11.9	392	2.0	64.0	3.7	-66.0	100
125	26.1	19.8	12.3	308	1.9	17.6	3.0	-1.6	125
150	25.5	19.4	13.1	213	1.9	11.6	2.3	-3.2	150
175	23.9	18.8	11.6	197	1.8	14.8	2.1	0.0	175
200	22.6	18.4	11.6	180	1.7	12.4	1.8	0.0	200
225	21.6	18.0	10.6	151	1.9	8.8	1.4	-0.8	225
250	20.6	17.7	10.1	101	2.1	5.6	1.1	-0.4	250
275	19.2	17.6	11.7	8	2.4	5.2	1.3	0.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 8 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	 AVG	 MIN	
0	30.5	27.6	25.3	286	1.0	0.0	0.0	0.0	0
5	29.9	27.6	25.2	286	1.0	16.0	0.6	-22.0	5
10	29.9	27.6	24.5	286	1.1	44.0	1.2	-12.0	10
15	29.7	27.5	23.4	283	1.1	26.0	1.3	-6.0	15
20	29.7	27.4	23.2	282	1.1	42.0	3.2	-4.0	20
25	29.7	27.1	21.1	282	1.3	60.0	5.0	-2.0	25
30	29.6	26.7	19.7	280	1.6	68.0	9.4	-2.0	30
35	29.6	26.1	19.2	279	1.8	62.0	11.4	0.0	35
40	29.5	25.4	16.3	278	2.1	58.0	14.0	0.0	40
45	29.4	24.7	15.2	277	2.2	40.0	13.6	0.0	45
50	29.4	24.1	15.5	276	2.3	38.0	12.5	-6.0	50
55	29.4	23.5	15.4	275	2.4	46.0	12.4	-12.0	55
60	29.3	23.0	14.8	275	2.4	106.0	10.3	-6.0	60
65	29.1	22.5	14.3	274	2.4	42.0	9.4	0.0	65
70	28.8	22.1	14.1	273	2.4	30.0	7.9	-2.0	70
75	28.6	21.8	14.0	270	2.5	28.0	6.5	0.0	75
80	28.1	21.5	13.5	269	2.4	30.0	6.6	0.0	80
85	27.7	21.2	13.5	267	2.4	18.0	5.9	-2.0	85
90	27.3	21.0	13.6	262	2.3	22.0	5.3	0.0	90
95	26.9	20.8	13.3	255	2.3	32.0	4.6	0.0	95
100	26.7	20.6	13.3	255	2.2	26.0	4.2	0.0	100
125	25.5	19.7	12.9	225	2.1	14.4	3.5	0.0	125
150	24.1	19.1	12.0	187	1.9	17.6	2.5	0.4	150
175	23.1	18.6	10.6	181	1.8	14.0	1.7	0.0	175
200	22.2	18.3	10.2	177	1.8	10.4	1.4	0.0	200
225	21.4	18.1	10.1	168	1.7	8.4	0.9	0.0	225
250	20.7	18.1	9.7	158	1.5	6.0	0.8	0.0	250
275	19.0	17.6	9.9	33	2.4	5.6	1.3	0.0	275

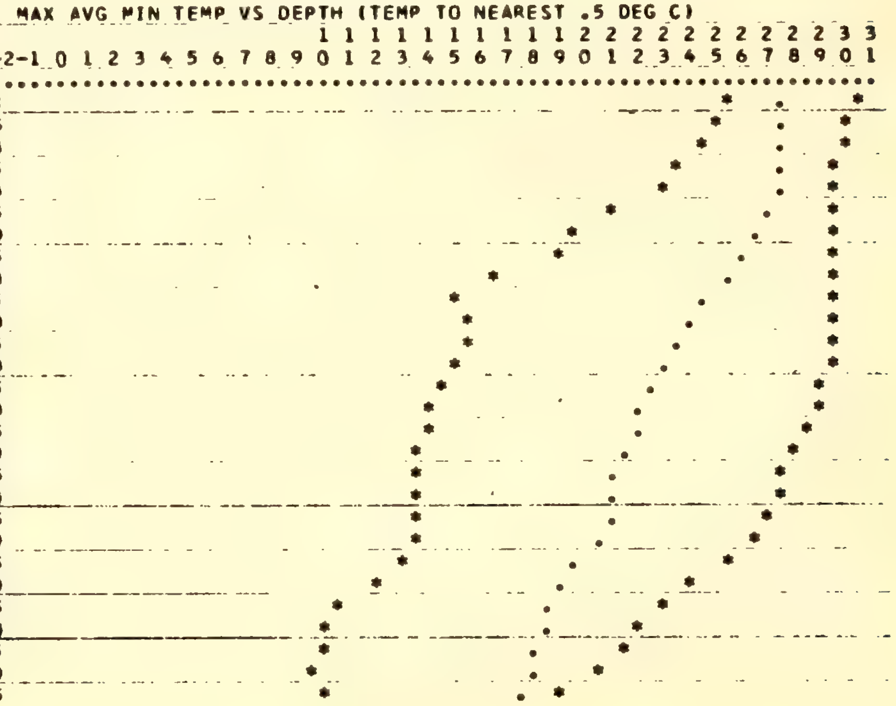


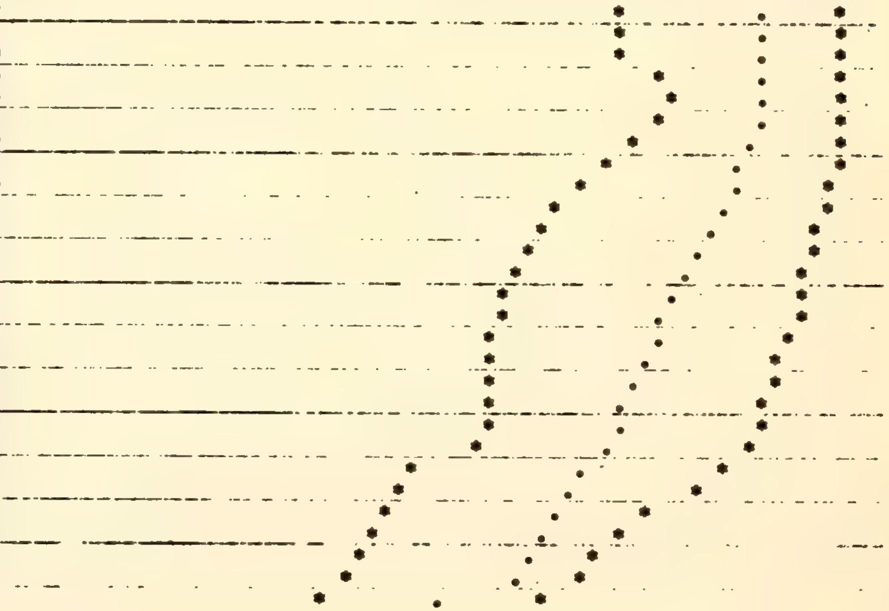
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 8   MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	2SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.8	27.1	21.7	134	2.6	0.0	0.0	0.0	0
5	29.8	27.1	21.7	134	2.6	6.0	0.4	-4.0	5
10	29.8	27.1	21.7	134	2.6	12.0	0.6	-6.0	10
15	29.8	27.1	23.1	134	2.6	12.0	0.2	-28.0	15
20	29.8	27.0	23.6	134	2.6	18.0	1.4	-10.0	20
25	29.8	26.9	23.1	132	2.6	52.0	3.6	-16.0	25
30	29.8	26.5	21.8	132	3.0	54.0	6.5	-16.0	30
35	29.8	26.2	21.1	126	3.0	60.0	8.7	-4.0	35
40	29.7	25.8	20.1	125	3.6	76.0	9.6	-6.0	40
45	29.4	25.3	19.0	124	4.0	30.0	8.9	-2.0	45
50	29.1	24.9	18.3	121	4.2	50.0	10.0	0.0	50
55	28.9	24.5	17.8	119	4.6	42.0	9.3	0.0	55
60	28.7	24.0	17.5	118	4.8	32.0	8.4	0.0	60
65	28.4	23.6	17.2	117	5.0	34.0	8.7	0.0	65
70	28.3	23.2	16.9	117	5.0	36.0	8.0	0.0	70
75	28.2	22.8	16.7	116	5.2	32.0	7.5	0.0	75
80	27.6	22.4	16.6	115	5.0	30.0	7.6	0.0	80
85	27.3	22.1	16.5	114	5.2	34.0	7.4	0.0	85
90	27.1	21.7	16.4	113	5.0	30.0	6.8	0.0	90
95	26.9	21.4	16.4	112	5.0	40.0	6.0	0.0	95
100	26.6	21.2	16.0	112	5.0	44.0	5.2	-2.0	100
125	25.3	20.1	13.3	105	4.8	16.4	4.5	1.2	125
150	24.3	19.6	13.0	69	4.4	8.4	3.8	0.0	150
175	22.7	18.9	12.5	63	4.0	8.4	2.9	0.0	175
200	21.6	18.4	12.1	57	4.2	5.6	2.2	-1.6	200
225	20.6	17.8	11.4	52	4.8	7.2	1.8	-0.4	225
250	19.9	17.6	10.8	46	4.8	4.8	1.5	0.0	250
275	18.4	14.6	10.0	11	6.4	3.6	2.1	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 8   MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.3	26.3	17.1	388	1.5	0.0	0.0	0.0	0
5	30.3	26.3	17.0	388	1.5	6.0	-0.0	-6.0	5
10	30.3	26.2	-2.7	388	2.1	8.0	1.5	-4.0	10
15	30.2	26.3	17.0	388	1.5	10.0	-1.4	-4.0	15
20	30.1	26.3	17.1	388	1.5	36.0	0.3	-4.0	20
25	30.1	26.2	17.1	387	1.5	20.0	0.3	-10.0	25
30	29.9	26.2	17.1	386	1.5	10.0	0.5	-6.0	30
35	29.6	26.2	19.3	385	1.4	16.0	0.6	-2.0	35
40	28.9	26.2	19.3	381	1.4	26.0	1.2	-2.0	40
45	28.8	26.1	18.4	381	1.4	86.0	2.0	-2.0	45
50	28.8	26.0	13.2	377	1.6	154.0	3.2	-4.0	50
55	28.8	25.8	12.7	376	1.8	48.0	3.8	-2.0	55
60	28.7	25.5	12.1	374	1.9	46.0	4.7	-6.0	60
65	28.4	25.3	13.3	372	1.9	38.0	5.5	-6.0	65
70	28.4	25.0	13.8	369	2.0	36.0	5.8	-10.0	70
75	28.4	24.7	19.0	368	2.1	44.0	6.6	-4.0	75
80	28.4	24.4	18.9	367	2.2	38.0	6.9	-4.0	80
85	28.1	24.0	18.6	366	2.3	28.0	7.2	-4.0	85
90	28.0	23.7	18.2	360	2.4	30.0	6.3	-6.0	90
95	27.9	23.4	15.9	356	2.4	58.0	6.9	0.0	95
100	27.8	23.0	14.7	356	2.5	60.0	6.5	-2.0	100
125	26.4	21.6	13.9	326	2.4	28.8	5.9	0.8	125
150	25.6	20.4	12.9	297	2.3	16.0	4.8	0.4	150
175	24.9	19.5	12.6	278	2.1	14.8	3.7	0.4	175
200	23.7	18.7	11.0	235	2.0	13.2	2.9	0.4	200
225	22.1	18.1	9.0	171	2.1	14.0	2.2	-0.4	225
250	20.8	17.5	8.6	117	2.5	6.0	1.7	0.0	250
275	17.3	14.9	10.0	5	2.8	2.0	1.1	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

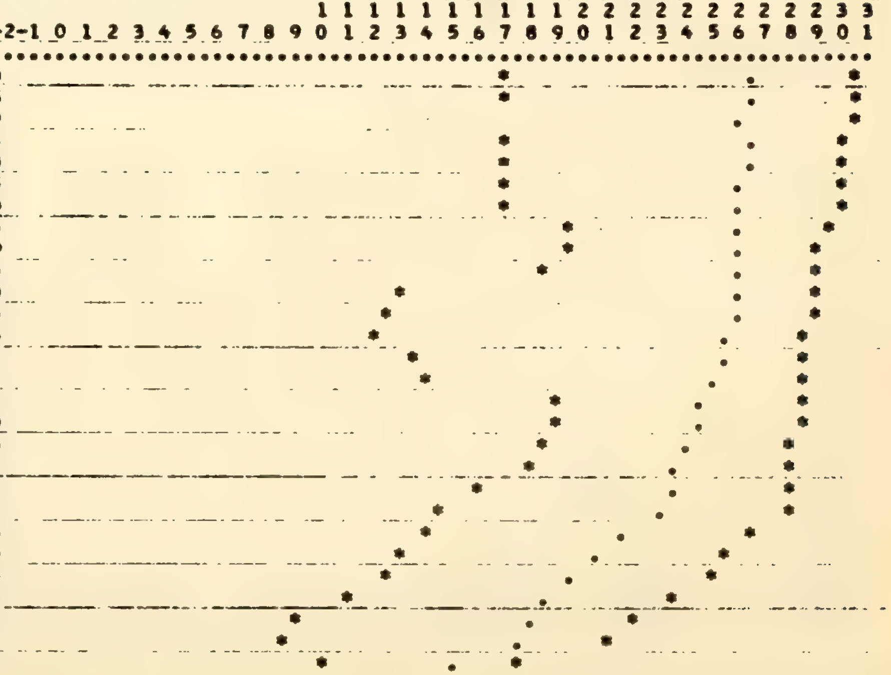


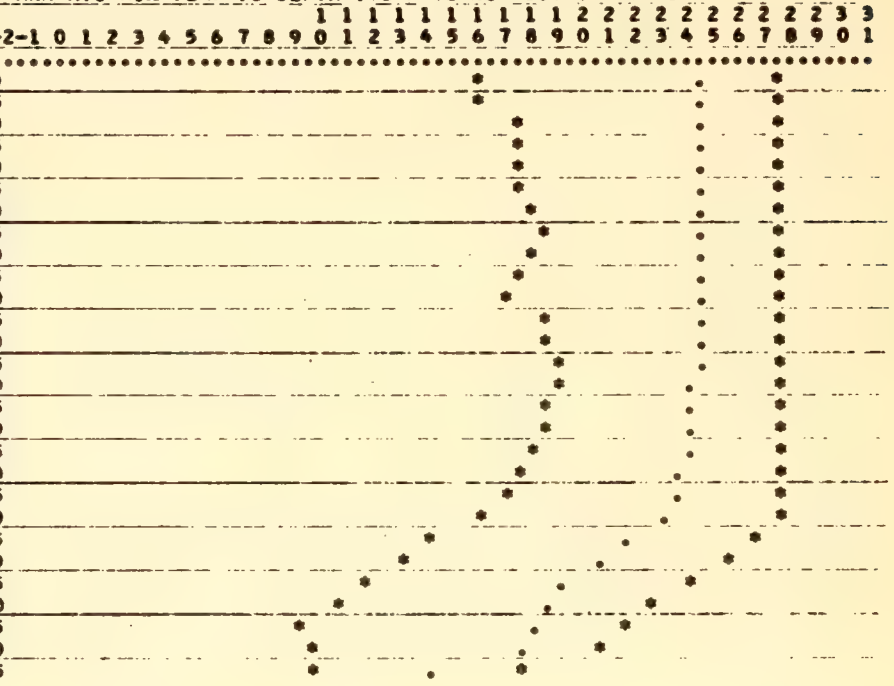
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 8   MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.6	24.4	16.1	310	1.6	0.0	0.0	0.0	0
5	27.6	24.4	16.1	310	1.6	12.0	0.0	-8.0	5
10	27.6	24.4	17.4	309	1.6	28.0	0.0	-30.0	10
15	27.6	24.4	17.5	308	1.6	6.0	0.0	-16.0	15
20	27.6	24.5	17.6	306	1.5	6.0	0.0	-4.0	20
25	27.6	24.5	17.7	304	1.5	6.0	0.1	-4.0	25
30	27.6	24.5	18.1	302	1.4	10.0	0.3	-6.0	30
35	27.6	24.5	18.4	300	1.4	10.0	0.3	-8.0	35
40	27.5	24.5	18.2	298	1.4	14.0	0.4	-10.0	40
45	27.5	24.5	17.7	297	1.4	12.0	0.4	-4.0	45
50	27.4	24.4	17.2	297	1.4	16.0	0.5	-8.0	50
55	27.4	24.4	18.6	296	1.4	50.0	0.7	-28.0	55
60	27.4	24.4	18.6	295	1.4	32.0	1.1	-8.0	60
65	27.3	24.3	19.2	290	1.4	42.0	1.2	-24.0	65
70	27.3	24.2	18.8	289	1.5	20.0	1.2	-10.0	70
75	27.3	24.2	18.4	286	1.5	22.0	1.6	-6.0	75
80	27.3	24.1	18.3	282	1.5	24.0	1.6	-6.0	80
85	27.3	23.9	18.1	279	1.6	40.0	3.5	-2.0	85
90	27.3	23.7	17.6	270	1.7	36.0	4.3	-4.0	90
95	27.3	23.4	17.0	261	1.8	32.0	5.0	-10.0	95
100	27.3	23.2	16.2	261	1.9	28.0	5.1	-6.0	100
125	26.6	21.7	14.1	236	2.4	28.8	6.2	0.0	125
150	25.6	20.3	12.8	200	2.5	19.2	5.0	0.0	150
175	23.8	19.2	11.4	194	2.3	24.8	4.9	0.0	175
200	22.3	18.3	10.3	185	2.2	15.2	3.6	0.4	200
225	21.3	17.9	9.2	169	2.0	16.0	2.6	0.0	225
250	20.4	17.4	9.3	128	2.1	9.6	2.2	0.0	250
275	17.6	14.2	9.4	13	2.5	9.6	4.4	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

APEA 8   MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.1	22.3	12.8	354	1.5	0.0	0.0	0.0	0
5	26.1	22.3	12.8	354	1.5	6.0	0.0	-8.0	5
10	26.1	22.3	12.9	354	1.5	14.0	0.3	-4.0	10
15	26.1	22.2	13.3	354	1.5	24.0	0.3	-10.0	15
20	26.1	22.2	13.6	354	1.5	8.0	0.2	-10.0	20
25	26.1	22.2	13.6	354	1.5	16.0	0.4	-2.0	25
30	26.1	22.2	13.8	350	1.5	38.0	0.6	-6.0	30
35	26.1	22.2	13.9	349	1.5	26.0	0.6	-2.0	35
40	26.1	22.2	13.9	347	1.4	44.0	0.8	-4.0	40
45	26.1	22.2	14.0	346	1.4	34.0	0.7	-8.0	45
50	26.1	22.1	14.0	346	1.4	16.0	0.6	-2.0	50
55	26.1	22.1	13.9	343	1.4	14.0	0.9	-2.0	55
60	26.1	22.1	13.9	341	1.4	20.0	0.7	-2.0	60
65	26.0	22.0	13.9	341	1.4	30.0	0.8	-2.0	65
70	26.0	22.0	13.8	340	1.5	34.0	0.9	-4.0	70
75	25.9	21.9	13.8	340	1.5	30.0	1.2	-2.0	75
80	25.8	21.9	13.8	338	1.5	28.0	0.9	-2.0	80
85	25.7	21.8	13.7	336	1.6	36.0	1.1	-2.0	85
90	25.6	21.8	13.8	334	1.6	22.0	1.1	-2.0	90
95	25.6	21.8	13.9	326	1.6	28.0	1.3	-2.0	95
100	25.5	21.7	13.8	326	1.7	34.0	1.7	-2.0	100
125	24.8	21.3	13.3	297	1.7	17.6	2.5	-0.4	125
150	24.1	20.5	13.8	233	1.3	16.8	4.0	0.0	150
175	23.7	19.6	12.1	230	1.4	18.4	3.6	0.0	175
200	22.3	18.9	10.9	220	1.4	12.8	2.7	0.4	200
225	21.9	18.5	10.3	194	1.5	12.4	1.9	0.0	225
250	20.1	18.2	10.0	139	1.6	10.4	1.2	0.0	250
275	18.3	16.8	12.6	4	2.8	5.2	2.0	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

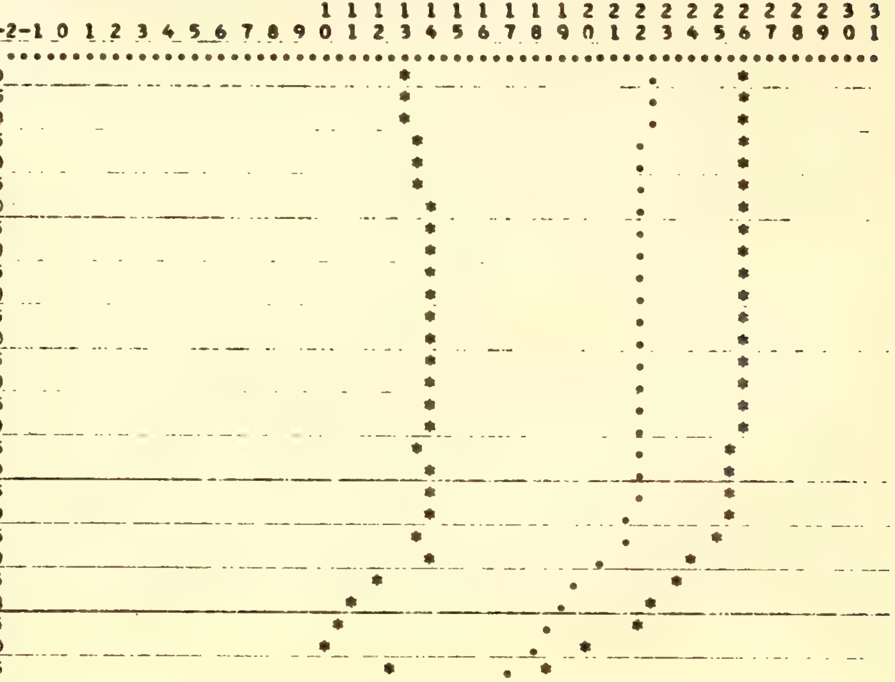


Table VI-1.--Continued

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                         NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 9    MONTH  1
                                                              MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                       1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                       GRADIENT          -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN   NUM   SDEV      MAX   AVG   MIN      ....................................................................
     0 26.6  20.3  17.1   359   1.2      0.0   0.0   0.0    0                                        *      .           *
     5 26.6  20.3  17.1   359   1.2      8.0  -0.1  -4.0    5                                        *      .           *
    10 26.6  20.3  17.1   359   1.1     10.0  -0.0  -2.0   10                                        *      .           *
    15 26.6  20.3  17.1   359   1.1      6.0  -0.0  -2.0   15                                        *      .           *
    20 26.4  20.3  17.1   359   1.1      6.0  -0.1  -8.0   20                                        *      .           *
    25 26.3  20.3  17.1   359   1.1      6.0   0.1  -2.0   25                                        *      .           *
    30 26.3  20.3  17.1   359   1.1     20.0   0.1  -2.0   30                                        *      .           *
    35 26.3  20.3  17.1   359   1.1     18.0   0.1  -6.0   35                                        *      .           *
    40 26.3  20.3  17.1   358   1.1      6.0   0.0  -4.0   40                                        *      .           *
    45 26.2  20.3  17.1   358   1.1      4.0   0.1  -2.0   45                                        *      .          *
    50 26.2  20.3  17.1   357   1.1      4.0   0.1  -2.0   50                                        *      .          *
    55 26.2  20.3  17.1   355   1.1      6.0   0.2  -2.0   55                                        *      .          *
    60 26.2  20.3  17.1   355   1.1      6.0   0.2  -2.0   60                                        *      .          *
    65 26.1  20.2  17.1   349   1.1      6.0   0.2  -2.0   65                                        *     .           *
    70 26.1  20.2  17.1   348   1.1      4.0   0.2  -4.0   70                                        *     .           *
    75 26.1  20.2  17.1   343   1.1      6.0   0.3  -2.0   75                                        *     .           *
    80 26.1  20.2  17.1   333   1.1      6.0   0.2  -2.0   80                                        *     .           *
    85 26.1  20.1  17.1   328   1.1      8.0   0.3  -2.0   85                                        *     .           *
    90 26.1  20.1  17.1   318   1.0      4.0   0.3  -2.0   90                                        *     .           *
    95 26.0  20.1  17.1   308   1.0      6.0   0.3  -2.0   95                                        *     .           *
   100 25.9  20.1  17.1   308   1.0     14.0   0.4  -2.0  100                                        *     .           *
   125 22.4  19.8  17.1   266   0.9      6.0   0.4  -0.8  125                                        *     .    *
   150 21.9  19.4  17.0   199   0.7      6.0   0.9  -1.2  150                                        *    .    *
   175 21.0  19.2  16.9   179   0.6      4.4   1.2   0.0  175                                        *   .   *
   200 21.0  18.9  16.5   154   0.7      8.0   1.2  -0.4  200                                       *    .   *
   225 20.1  18.7  16.7   114   0.6      3.6   1.1  -2.8  225                                       *   .  *
   250 19.6  18.5  16.5    54   0.6      2.8   0.8   0.0  250                                       *   . *
   275 19.3  18.7  17.5     4   0.8      0.8   0.5   0.4  275                                         * . *
```

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                         NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 9    MONTH  2
                                                              MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                       1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                       GRADIENT          -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN   NUM   SDEV      MAX   AVG   MIN      ....................................................................
     0 25.5  19.5  16.9   651   0.9      0.0   0.0   0.0    0                                        *    .           *
     5 25.4  19.5  16.9   651   0.9      4.0   0.0  -4.0    5                                        *    .           *
    10 25.4  19.5  16.9   651   0.9      8.0   0.1  -4.0   10                                        *    .           *
    15 25.4  19.5  16.9   651   0.9      6.0   0.1  -2.0   15                                        *    .           *
    20 25.4  19.4  16.9   651   0.9      6.0   0.2  -4.0   20                                        *    .           *
    25 25.4  19.4  16.9   651   0.9      4.0   0.1  -4.0   25                                        *    .           *
    30 25.4  19.4  16.9   651   0.9      6.0   0.2  -2.0   30                                        *    .           *
    35 25.4  19.4  16.9   651   0.9      4.0   0.2  -2.0   35                                        *    .           *
    40 25.4  19.4  16.9   651   0.9      6.0   0.2  -2.0   40                                        *    .           *
    45 25.4  19.4  16.9   649   0.9      4.0   0.2  -4.0   45                                        *    .           *
    50 25.4  19.4  16.9   648   0.9      4.0   0.2  -2.0   50                                        *    .           *
    55 25.4  19.4  16.9   641   0.9      6.0   0.2  -2.0   55                                        *    .           *
    60 25.4  19.4  17.7   610   0.9      6.0   0.2  -4.0   60                                         *   .           *
    65 25.4  19.4  17.7   606   0.9      6.0   0.2  -2.0   65                                         *   .           *
    70 25.4  19.4  17.7   604   0.9      4.0   0.2  -2.0   70                                         *   .           *
    75 25.4  19.4  17.7   601   0.9      6.0   0.2  -2.0   75                                         *   .           *
    80 25.4  19.4  17.7   597   0.9     10.0   0.1  -2.0   80                                         *   .           *
    85 25.4  19.3  17.7   589   0.9      6.0   0.2  -2.0   85                                         *   .           *
    90 25.4  19.3  17.7   580   0.9      4.0   0.2  -2.0   90                                         *   .           *
    95 22.1  19.3  17.7   571   0.8      6.0   0.2  -2.0   95                                         *   .    *
   100 21.8  19.3  17.7   571   0.8      6.0   0.2  -2.0  100                                         *   .    *
   125 21.6  19.2  17.5   532   0.7      6.0   0.3  -0.4  125                                         *  .    *
   150 21.5  19.1  17.4   469   0.6      5.2   0.4  -1.6  150                                         *  .    *
   175 21.2  18.9  17.0   446   0.6      5.6   0.7  -0.8  175                                        *   .   *
   200 20.9  18.7  16.7   410   0.6      5.2   0.8  -3.6  200                                       *   .    *
   225 20.6  18.5  16.5   355   0.6      4.4   0.8  -0.4  225                                       *   .   *
   250 20.4  18.3  16.3   250   0.5      5.2   0.8  -0.4  250                                       *   .   *
```

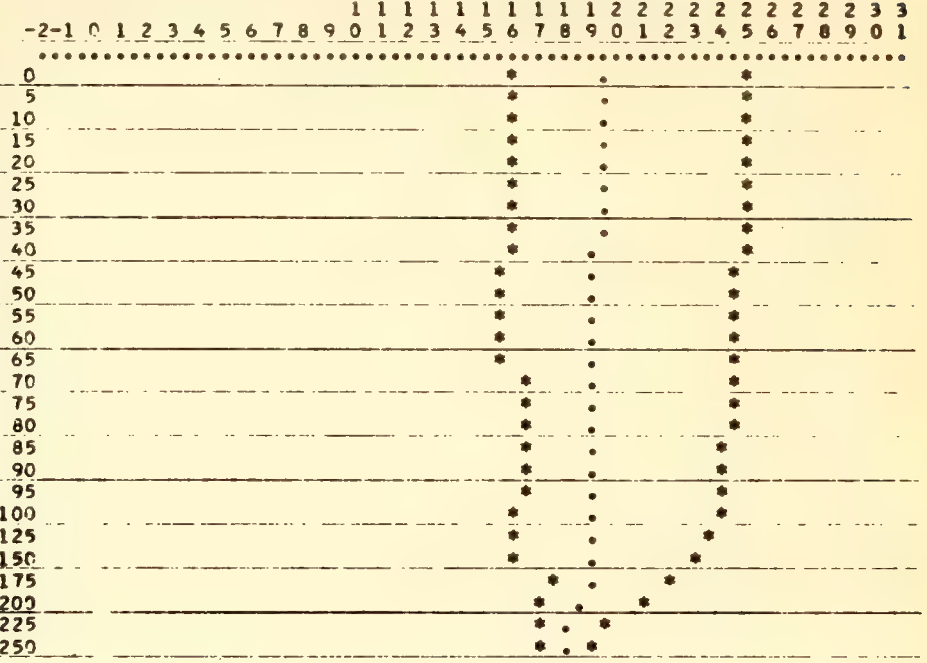
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 9 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	25.1	19.3	16.1	262	1.3	0.0	0.0	0.0
5	25.1	19.3	16.1	262	1.3	22.0	0.5	-2.0
10	25.1	19.3	16.1	262	1.3	4.0	0.2	-2.0
15	25.1	19.3	16.1	262	1.3	4.0	0.2	-2.0
20	25.1	19.3	16.1	261	1.3	4.0	0.3	-4.0
25	25.1	19.3	16.1	259	1.3	10.0	0.2	-4.0
30	25.0	19.3	16.1	258	1.3	14.0	0.5	-2.0
35	24.9	19.3	16.0	251	1.3	10.0	0.4	-2.0
40	24.9	19.2	15.9	249	1.3	14.0	0.5	-2.0
45	24.6	19.2	15.7	246	1.3	8.0	0.6	-2.0
50	24.5	19.2	15.7	239	1.3	8.0	0.3	-2.0
55	24.5	19.2	15.6	229	1.3	6.0	0.5	-2.0
60	24.4	19.2	15.6	224	1.3	4.0	0.4	-4.0
65	24.4	19.2	15.6	210	1.3	6.0	0.3	-2.0
70	24.4	19.2	16.3	206	1.2	10.0	0.5	-2.0
75	24.3	19.2	16.3	199	1.2	4.0	0.4	-2.0
80	24.3	19.2	16.3	192	1.2	8.0	0.3	-2.0
85	24.2	19.1	16.3	187	1.2	8.0	0.5	-2.0
90	24.0	19.1	16.3	182	1.2	4.0	0.5	-2.0
95	24.0	19.1	16.3	175	1.2	6.0	0.3	0.0
100	23.9	19.1	16.2	174	1.2	4.0	0.4	-2.0
125	23.7	19.1	16.2	125	1.2	2.0	0.3	-0.4
150	23.1	18.9	16.2	68	1.3	3.2	0.4	-0.8
175	22.1	18.8	17.3	64	1.0	5.6	0.7	-0.4
200	21.1	18.5	17.2	58	0.7	8.0	0.8	-0.4
225	19.3	18.2	17.1	44	0.5	2.8	0.4	-0.4
250	18.9	18.0	17.1	28	0.5	1.6	0.5	-0.4

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 9 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	23.6	19.7	12.9	518	1.3	0.0	0.0	0.0
5	23.6	19.6	12.9	518	1.2	16.0	0.8	-4.0
10	23.5	19.6	12.9	518	1.2	20.0	1.2	-4.0
15	23.2	19.5	12.3	517	1.2	16.0	1.5	-2.0
20	23.1	19.4	12.2	517	1.2	14.0	1.1	-2.0
25	23.0	19.4	12.2	515	1.2	16.0	0.8	-4.0
30	22.9	19.3	12.1	515	1.2	12.0	1.0	-10.0
35	22.9	19.3	12.1	510	1.2	8.0	0.7	-6.0
40	22.9	19.3	12.3	506	1.2	18.0	1.0	-4.0
45	22.9	19.2	12.7	502	1.2	24.0	1.0	-8.0
50	22.9	19.2	12.7	499	1.1	12.0	0.7	-2.0
55	22.9	19.2	12.7	493	1.1	18.0	0.7	-2.0
60	22.9	19.1	12.7	492	1.1	10.0	0.7	-2.0
65	22.9	19.1	12.4	476	1.1	12.0	0.7	-2.0
70	22.9	19.1	12.4	471	1.1	10.0	0.7	-2.0
75	22.9	19.0	12.5	468	1.1	6.0	0.7	-2.0
80	22.9	19.0	12.7	465	1.1	8.0	0.4	-4.0
85	22.9	19.0	12.4	463	1.1	14.0	0.7	-4.0
90	22.9	18.9	12.3	456	1.0	8.0	0.7	-4.0
95	22.9	18.9	12.2	448	1.0	8.0	0.5	0.0
100	22.9	18.9	12.1	448	1.0	8.0	0.6	-4.0
125	21.7	18.7	14.5	406	0.9	5.2	0.6	-0.8
150	20.8	18.5	14.2	343	0.6	4.0	0.5	0.0
175	20.5	18.4	15.9	336	0.6	12.4	0.4	-0.4
200	20.2	18.4	15.7	301	0.6	2.4	0.4	-11.6
225	20.0	18.4	16.3	252	0.5	3.6	0.4	-0.4
250	19.8	18.1	15.8	139	0.5	2.0	0.5	0.0

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

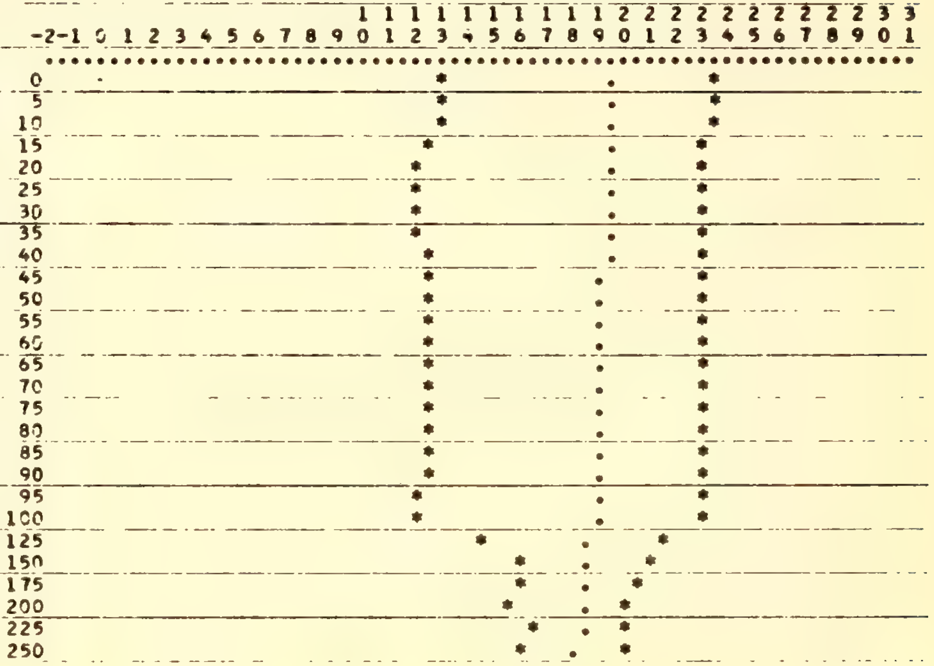
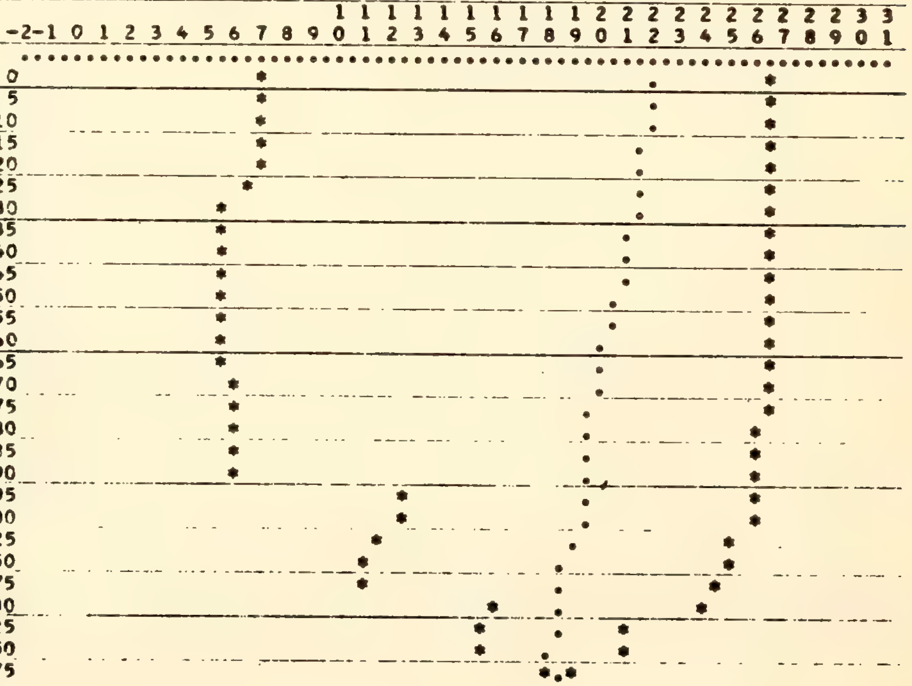


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 9 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.7	22.1	7.2	1242	1.5	0.0	0.0	0.0	0
5	26.7	22.0	7.2	1242	1.5	200.0	1.9	-4.0	5
10	26.6	21.9	7.1	1242	1.4	32.0	2.1	-198.0	10
15	26.6	21.7	7.0	1242	1.5	32.0	2.9	-4.0	15
20	26.6	21.6	6.8	1241	1.5	28.0	2.7	-4.0	20
25	26.6	21.5	6.5	1239	1.5	30.0	2.8	-4.0	25
30	26.6	21.3	5.5	1238	1.5	28.0	3.5	-4.0	30
35	26.6	21.1	5.4	1235	1.5	26.0	3.4	-4.0	35
40	26.6	21.0	5.4	1232	1.5	46.0	3.5	-2.0	40
45	26.6	20.8	5.4	1229	1.4	24.0	3.6	-4.0	45
50	26.6	20.6	5.5	1154	1.4	26.0	3.0	-2.0	50
55	26.5	20.3	5.6	970	1.4	22.0	3.0	-2.0	55
60	26.5	20.1	5.7	882	1.4	22.0	2.8	-2.0	60
65	26.5	20.0	5.7	872	1.4	16.0	2.4	-2.0	65
70	26.4	19.8	5.9	869	1.4	14.0	2.3	-4.0	70
75	26.3	19.7	6.0	855	1.3	14.0	2.1	-2.0	75
80	26.2	19.6	6.1	849	1.3	10.0	1.7	-2.0	80
85	26.2	19.5	6.2	843	1.2	12.0	2.0	-4.0	85
90	26.1	19.4	6.2	824	1.2	20.0	1.8	-2.0	90
95	26.0	19.4	12.5	795	1.1	14.0	1.3	-2.0	95
100	25.8	19.3	12.3	795	1.1	12.0	1.7	-2.0	100
125	25.2	19.0	11.3	720	1.0	6.4	1.2	-0.8	125
150	24.9	18.7	10.9	616	0.8	6.4	0.8	-0.4	150
175	24.3	18.5	10.8	607	0.8	3.6	0.6	-0.4	175
200	23.9	18.4	15.8	584	0.7	3.2	0.6	-0.4	200
225	21.0	18.3	15.7	448	0.6	4.4	0.5	-0.4	225
250	20.8	18.1	15.4	252	0.8	2.0	0.5	-3.6	250
275	19.1	18.6	18.0	27	0.3	1.6	0.6	0.0	275


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

ARFA 9 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.9	23.9	20.1	2395	1.1	0.0	0.0	0.0	0
5	27.7	23.8	19.6	2395	1.0	34.0	1.8	-8.0	5
10	27.7	23.6	19.3	2395	1.0	34.0	2.5	-12.0	10
15	27.7	23.4	19.1	2395	1.0	44.0	4.0	-2.0	15
20	27.7	23.2	18.8	2394	0.9	60.0	5.1	-4.0	20
25	27.6	22.8	9.9	2393	1.0	268.0	6.7	-2.0	25
30	27.4	22.4	16.6	2393	0.9	44.0	9.0	-256.0	30
35	27.1	21.9	15.6	2399	0.9	114.0	10.6	-2.0	35
40	26.9	21.4	15.2	2387	0.9	116.0	9.9	-106.0	40
45	26.7	20.9	14.5	2384	0.9	42.0	8.9	-72.0	45
50	26.5	20.6	14.3	2294	0.9	26.0	7.0	-2.0	50
55	26.3	20.3	13.4	2087	0.9	42.0	6.1	-26.0	55
60	26.0	20.0	13.2	2039	0.9	36.0	5.3	-2.0	60
65	25.7	19.8	13.2	2032	0.9	22.0	4.7	-2.0	65
70	25.3	19.6	13.1	2029	0.9	20.0	3.7	0.0	70
75	24.7	19.4	13.1	2026	0.8	18.0	3.2	-4.0	75
80	24.1	19.3	13.1	2020	0.8	82.0	2.3	-10.0	80
85	23.7	19.2	12.9	2019	0.8	12.0	2.7	-80.0	85
90	23.2	19.1	11.3	2011	0.8	32.0	2.2	-58.0	90
95	22.7	19.0	9.8	1991	0.7	60.0	1.6	-2.0	95
100	22.7	18.9	9.6	1991	0.7	28.0	1.9	-2.0	100
125	22.1	18.6	15.6	1897	0.5	6.4	1.2	0.0	125
150	21.4	18.3	15.4	1623	0.4	4.8	0.7	-0.4	150
175	21.1	18.1	13.2	1589	0.4	18.8	0.6	-0.4	175
200	20.5	18.0	16.3	1507	0.3	3.2	0.5	-18.4	200
225	20.1	17.9	15.5	1364	0.3	3.2	0.4	-1.2	225
250	19.2	17.8	13.7	1216	0.3	7.2	0.4	-0.8	250
275	18.0	16.6	12.3	13	1.8	5.6	1.5	0.0	275

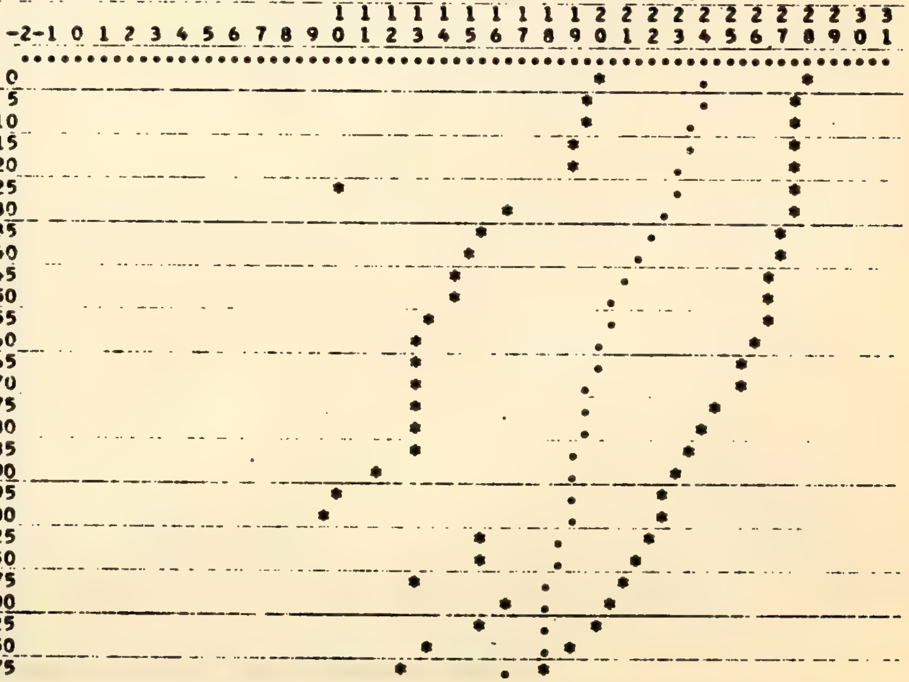

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.—Continued

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                NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 9    MONTH  7

DEPTH                                             GRADIENT
METERS MAX   AVG   MIN   NUM   SDEV        MAX    AVG    MIN
     0 31.7  26.3  22.4  1007   1.1        0.0    0.0    0.0    0
     5 31.4  26.2  23.1  1007   1.1       36.0    1.5  -14.0    5
    10 31.3  26.1  22.6  1007   1.1       42.0    2.8  -10.0   10
    15 30.9  25.8  22.2  1007   1.1       44.0    5.0   -4.0   15
    20 29.5  25.4  22.0  1007   1.2       46.0    8.8   -2.0   20
    25 29.0  24.8  21.2  1007   1.3       52.0   12.9    0.0   25
    30 28.8  24.0  20.7  1006   1.4       44.0   14.5   -2.0   30
    35 28.7  23.3  19.2  1004   1.4       42.0   13.8    0.0   35
    40 28.7  22.7  17.1   998   1.3       44.0   11.9   -4.0   40
    45 28.2  22.2  14.3   985   1.3       92.0   11.3    0.0   45
    50 27.4  21.7  13.4   885   1.3       34.0    9.0  -76.0   50
    55 26.8  21.1  12.7   716   1.3       20.0    8.2    2.0   55
    60 26.6  20.7  12.6   714   1.3       20.0    7.0  -28.0   60
    65 26.3  20.4  12.8   696   1.2       42.0    6.0   -4.0   65
    70 26.1  20.2  12.9   695   1.2       18.0    4.7   -2.0   70
    75 25.8  20.0  12.9   691   1.2       12.0    4.1    0.0   75
    80 25.6  19.8  17.2   685   1.1       14.0    3.5    0.0   80
    85 25.3  19.6  17.1   682   1.1       16.0    3.6    0.0   85
    90 25.2  19.5  17.1   680   1.0       14.0    3.0    0.0   90
    95 25.0  19.3  17.0   669   1.0       12.0    2.2    0.0   95
   100 24.7  19.2  16.8   669   1.0       10.0    2.5    0.0  100
   125 23.1  18.8  16.1   610   0.8        6.4    1.7    0.0  125
   150 21.0  18.4  15.7   496   0.6        4.8    1.0    0.0  150
   175 20.6  18.3  15.0   480   0.5        3.2    0.7   -0.4  175
   200 20.3  18.1  13.6   436   0.5        5.6    0.6   -0.4  200
   225 19.3  18.0  16.2   359   0.3        2.4    0.4   -0.8  225
   250 19.2  17.9  16.0   249   0.2        1.6    0.3   -0.4  250
   275 18.5  18.1  17.8     2   0.4        0.0    0.0    0.0  275
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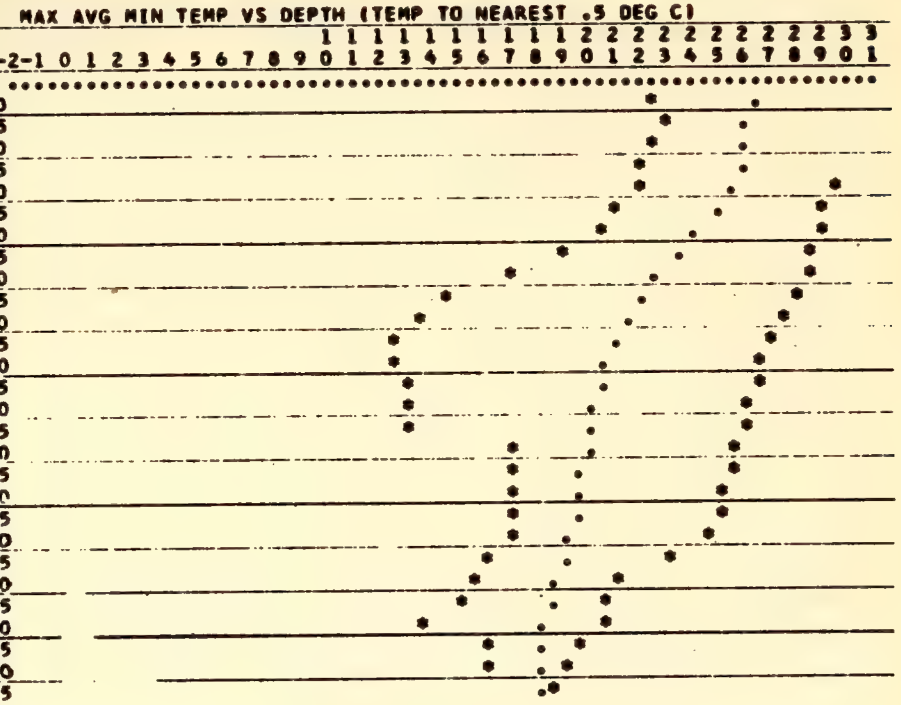

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                NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 9    MONTH  8

DEPTH                                             GRADIENT
METERS MAX   AVG   MIN   NUM   SDEV        MAX    AVG    MIN
     0 30.5  27.1  23.6  1332   1.2        0.0    0.0    0.0    0
     5 29.6  27.0  16.3  1332   1.2      230.0    1.9  -18.0    5
    10 29.6  26.9  23.6  1332   1.1       18.0    1.0 -220.0   10
    15 29.6  26.8  21.9  1332   1.1       38.0    1.7   -8.0   15
    20 29.6  26.6  14.9  1331   1.2      140.0    3.6   -4.0   20
    25 29.6  26.3  10.8  1331   1.4       82.0    7.4  -54.0   25
    30 29.1  25.6   9.0  1331   1.6       58.0   12.6   -2.0   30
    35 29.1  24.8   9.3  1327   1.7       60.0   16.6   -2.0   35
    40 29.0  24.0   8.6  1324   1.8       68.0   15.7   -6.0   40
    45 29.0  23.3   9.6  1323   1.9      106.0   14.1  -20.0   45
    50 28.7  22.7  10.0  1299   1.9       46.0   11.9  -72.0   50
    55 28.5  22.7  12.8  1011   1.6       44.0    9.9   -2.0   55
    60 28.3  22.3  12.8   951   1.6       34.0    9.1  -18.0   60
    65 28.3  21.8  12.8   918   1.6       38.0    8.9    0.0   65
    70 28.1  21.4  12.8   917   1.6       28.0    7.5    0.0   70
    75 27.8  21.1  12.8   915   1.6       20.0    6.3   -2.0   75
    80 27.8  20.8  12.9   906   1.6       20.0    5.6   -2.0   80
    85 27.6  20.6  13.1   902   1.6       26.0    5.6  -10.0   85
    90 27.4  20.3  13.2   892   1.5       16.0    4.7   -8.0   90
    95 27.2  20.1  13.1   881   1.5       18.0    4.2   -2.0   95
   100 27.0  19.9  12.9   881   1.4       14.0    4.0   -4.0  100
   125 25.7  19.2  12.4   780   1.1        9.2    2.9   -0.4  125
   150 24.1  18.7  11.8   587   0.9        7.2    1.9    0.0  150
   175 22.2  18.4  11.0   548   0.9        7.6    1.4    0.0  175
   200 20.8  18.2  10.4   515   0.8        5.6    1.1    0.0  200
   225 19.9  17.9   9.6   447   0.9        3.6    0.8    0.0  225
   250 19.6  18.0   8.8   143   0.9        3.2    0.6   -0.4  250
   275 18.4  17.6  15.2     8   1.0        1.2    0.5    0.0  275
```

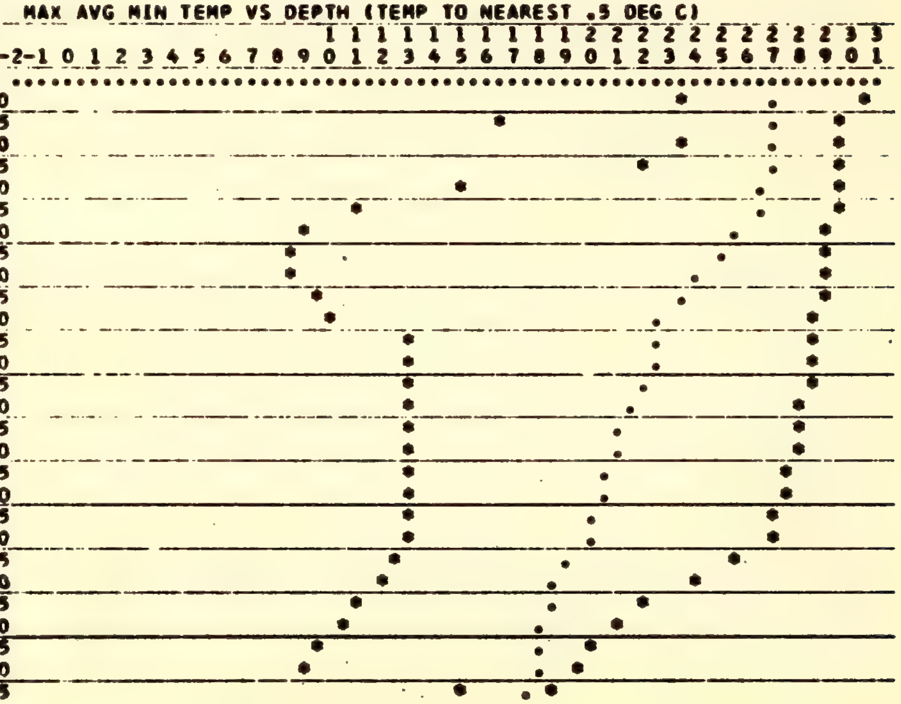
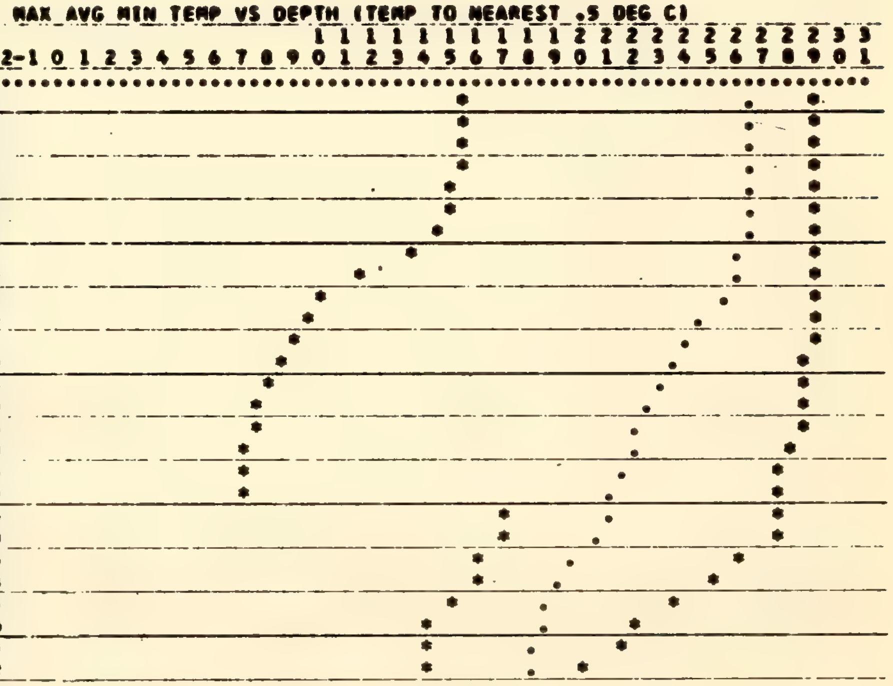


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 9 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	28.9	26.7	15.5	428	1.1	0.0	0.0	0.0	0
5	29.0	26.6	15.4	428	1.1	12.0	0.3	-6.0	5
10	29.1	26.6	15.3	428	1.1	10.0	0.3	-2.0	10
15	29.1	26.6	15.3	428	1.1	10.0	0.4	-4.0	15
20	29.1	26.6	15.2	427	1.1	24.0	0.5	-2.0	20
25	29.1	26.5	15.1	426	1.2	72.0	0.9	-2.0	25
30	29.1	26.4	14.6	425	1.2	42.0	2.3	-4.0	30
35	28.8	26.2	13.3	425	1.3	50.0	4.8	-2.0	35
40	28.8	25.8	11.6	422	1.5	54.0	7.6	-8.0	40
45	28.8	25.3	9.9	421	1.6	50.0	11.0	-12.0	45
50	28.8	24.7	9.4	409	1.7	42.0	12.1	-4.0	50
55	28.8	24.1	9.1	337	1.8	48.0	11.7	-8.0	55
60	28.7	23.6	8.4	320	1.8	48.0	11.2	0.0	60
65	28.7	23.0	7.9	318	1.7	42.0	11.0	0.0	65
70	28.7	22.6	7.6	315	1.7	40.0	9.6	0.0	70
75	28.6	22.1	7.3	312	1.8	150.0	8.3	0.0	75
80	28.1	21.8	7.1	312	1.7	20.0	6.7	-126.0	80
85	27.7	21.4	7.1	311	1.7	30.0	7.4	0.0	85
90	27.7	21.1	7.1	306	1.6	20.0	6.1	0.0	90
95	27.6	20.9	16.9	300	1.3	22.0	5.7	0.0	95
100	27.5	20.6	16.8	300	1.3	18.0	5.2	0.0	100
125	25.9	19.7	16.1	290	1.0	16.0	4.0	0.8	125
150	24.8	19.1	15.8	262	0.9	17.2	2.5	0.0	150
175	23.3	18.6	14.8	251	0.8	8.8	1.7	0.0	175
200	22.2	18.3	14.2	231	0.8	5.6	1.3	-0.4	200
225	21.3	18.1	13.8	208	0.7	3.6	0.9	-0.4	225
250	19.8	17.9	13.8	84	1.0	2.0	0.6	-0.8	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 9 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	29.3	25.0	17.8	731	1.5	0.0	0.0	0.0	0
5	29.3	25.0	17.8	731	1.5	12.0	0.3	-14.0	5
10	29.3	24.9	17.9	731	1.5	14.0	0.3	-2.0	10
15	29.3	24.9	17.8	731	1.4	14.0	0.5	-4.0	15
20	29.3	24.9	17.8	731	1.4	16.0	0.5	-10.0	20
25	29.4	24.9	17.8	731	1.4	14.0	0.6	-4.0	25
30	29.4	24.8	17.8	731	1.4	16.0	1.0	-2.0	30
35	29.3	24.8	17.8	730	1.4	44.0	1.2	-4.0	35
40	29.4	24.7	17.7	726	1.4	34.0	1.9	-4.0	40
45	29.6	24.5	17.3	724	1.5	42.0	3.0	-4.0	45
50	29.3	24.3	16.8	709	1.5	52.0	5.4	-2.0	50
55	28.1	24.3	16.6	583	1.2	58.0	6.0	-2.0	55
60	28.1	24.0	18.6	573	1.1	54.0	7.2	-2.0	60
65	28.1	23.5	18.4	568	1.2	42.0	9.2	-2.0	65
70	28.1	23.0	18.2	566	1.2	46.0	9.6	-2.0	70
75	27.9	22.6	18.1	565	1.2	36.0	9.2	0.0	75
80	27.8	22.1	17.9	561	1.2	44.0	9.1	0.0	80
85	27.6	21.7	17.8	561	1.1	30.0	8.5	-42.0	85
90	27.2	21.3	17.8	559	1.1	34.0	7.5	0.0	90
95	27.1	21.0	17.8	554	1.0	44.0	7.4	0.0	95
100	26.7	20.7	17.7	554	1.0	24.0	5.8	0.0	100
125	25.2	19.6	17.2	535	0.8	16.0	4.2	0.4	125
150	22.4	19.1	16.6	512	0.5	5.6	2.1	0.4	150
175	21.9	18.7	15.8	502	0.5	9.8	1.3	0.0	175
200	21.4	18.5	16.2	477	0.5	2.8	1.0	0.0	200
225	21.1	18.3	16.1	400	0.5	2.8	0.7	-2.0	225
250	20.8	18.2	16.3	214	0.5	2.0	0.6	-0.4	250
275	17.9	17.9	17.9	1	0.0	1.2	1.2	1.2	275

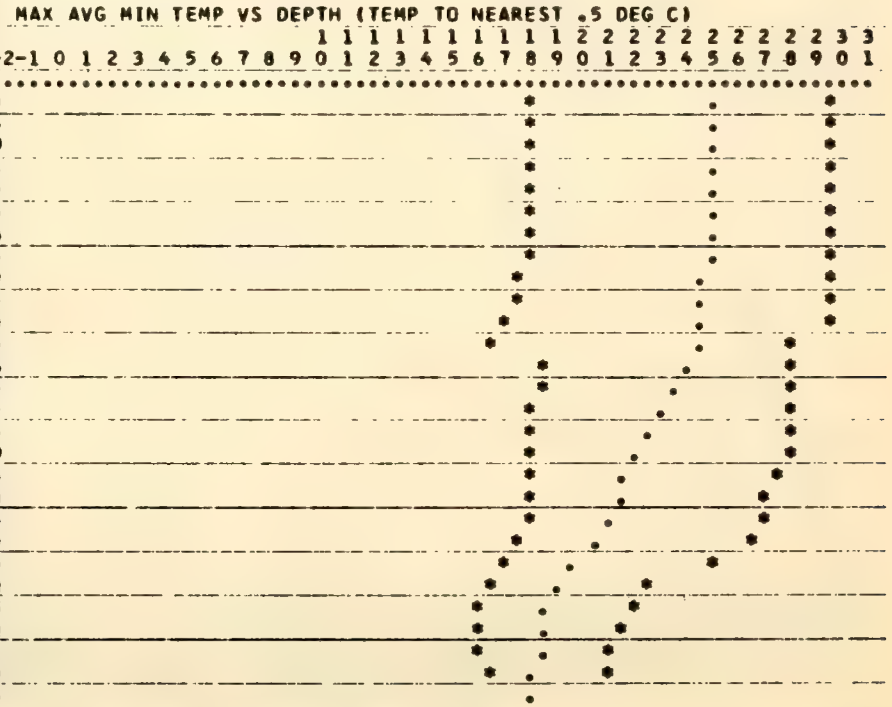
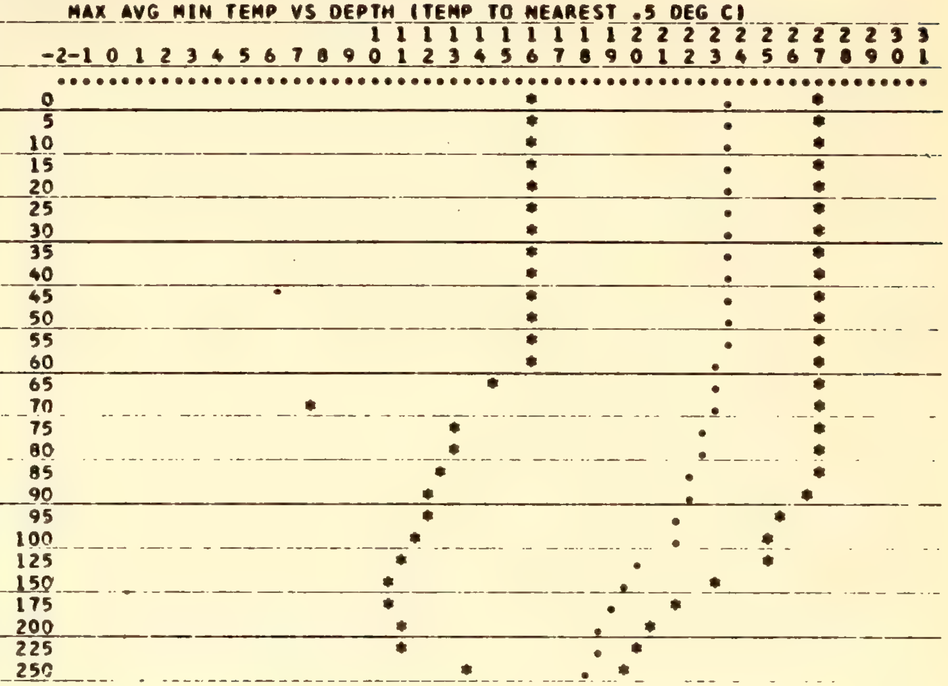


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 9 MONTH 11

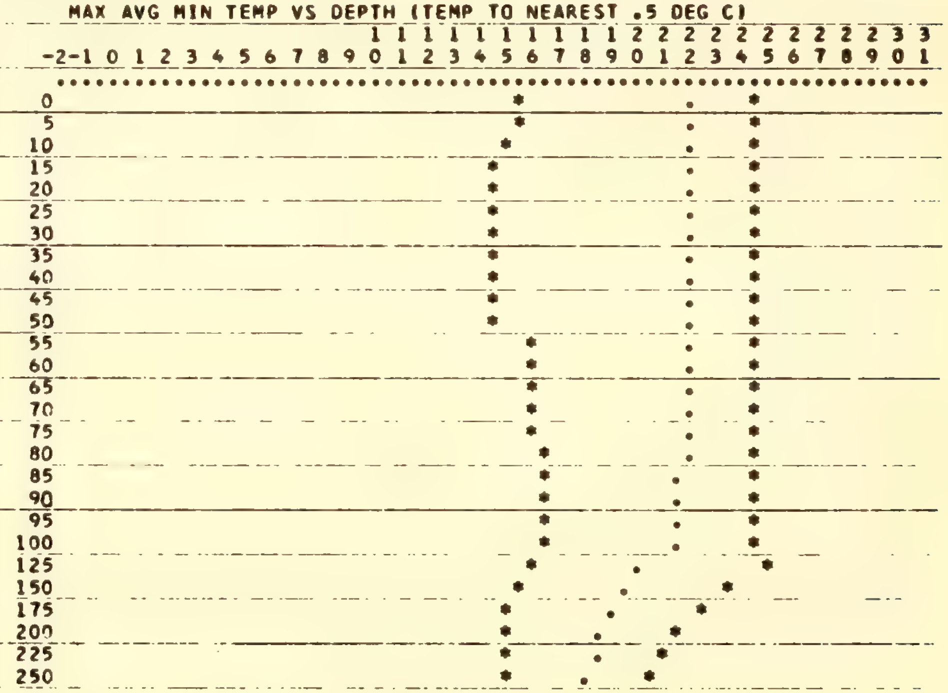
DEPTH						GRADIENT		
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN
0	27.2	23.3	16.1	1154	1.0	0.0	0.0	0.0
5	27.2	23.3	16.1	1154	1.0	6.0	0.0	-6.0
10	27.2	23.3	16.1	1154	1.0	6.0	0.0	-4.0
15	27.2	23.3	16.1	1154	1.0	4.0	0.1	-4.0
20	27.1	23.3	16.1	1154	1.0	14.0	0.1	-4.0
25	27.1	23.3	16.1	1154	1.0	4.0	0.0	-14.0
30	27.1	23.3	16.1	1154	1.0	6.0	0.1	-6.0
35	27.1	23.3	16.1	1154	1.0	8.0	0.1	-2.0
40	27.1	23.3	16.1	1152	1.0	26.0	0.2	-6.0
45	27.1	23.3	16.1	1152	1.0	34.0	0.4	-4.0
50	27.2	23.3	16.1	1146	1.0	26.0	0.6	-2.0
55	27.2	23.3	16.1	1039	0.9	26.0	1.2	-2.0
60	27.2	23.2	16.1	1037	0.9	38.0	2.0	-2.0
65	27.2	23.1	14.7	1035	1.0	94.0	3.0	-2.0
70	27.2	22.9	7.7	1034	1.2	116.0	4.0	-62.0
75	27.2	22.7	13.2	1033	1.1	40.0	3.9	-298.0
80	27.2	22.4	12.8	1030	1.2	48.0	5.0	-2.0
85	27.1	22.1	12.3	1028	1.2	44.0	5.8	-2.0
90	26.7	21.9	12.1	1025	1.3	44.0	5.5	-2.0
95	25.6	21.6	11.8	1017	1.3	34.0	5.6	-2.0
100	25.2	21.3	11.6	1017	1.4	30.0	5.1	-2.0
125	25.0	20.2	10.8	970	1.3	14.8	4.5	-0.4
150	23.1	19.4	10.4	921	1.0	9.6	2.9	0.0
175	21.4	19.0	10.3	909	0.8	14.0	1.8	0.0
200	20.4	18.7	11.2	877	0.6	5.6	1.3	-0.4
225	19.9	18.5	11.1	774	0.6	3.6	0.8	-0.4
250	19.7	18.2	13.6	364	0.5	2.4	0.6	0.0



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 9 MONTH 12

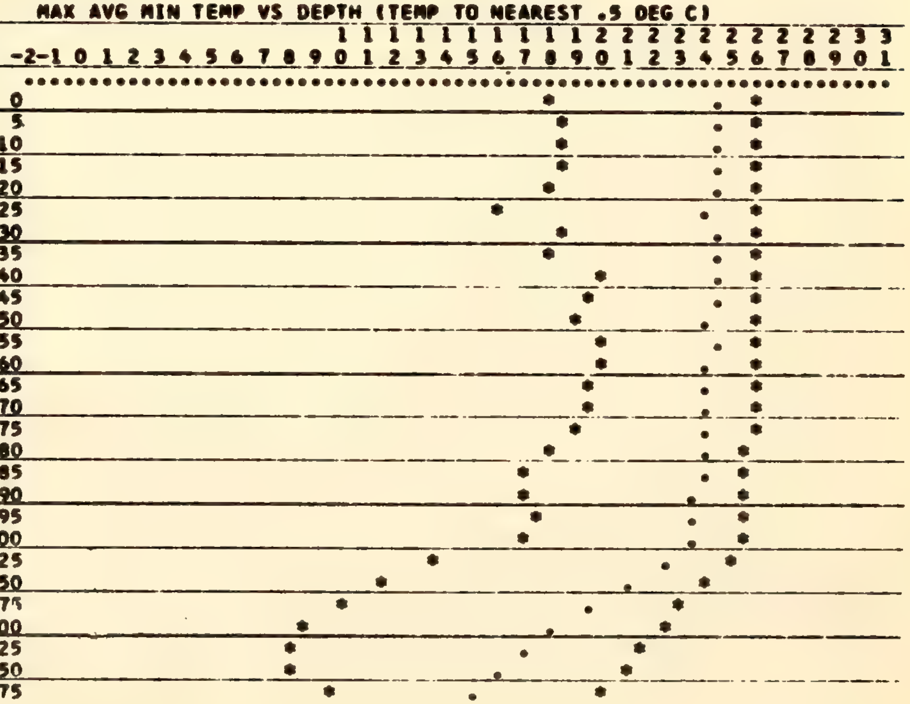
DEPTH						GRADIENT		
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN
0	24.6	22.0	15.7	839	0.8	0.0	0.0	0.0
5	24.6	22.0	15.5	839	0.8	14.0	0.0	-4.0
10	24.6	22.0	14.8	839	0.8	14.0	0.1	-4.0
15	24.6	22.0	14.6	839	0.8	4.0	0.0	-4.0
20	24.6	22.0	14.5	839	0.8	8.0	0.0	-4.0
25	24.6	22.0	14.5	839	0.8	4.0	0.1	-2.0
30	24.6	22.0	14.4	839	0.8	2.0	0.1	-2.0
35	24.6	22.0	14.4	839	0.8	6.0	0.1	-2.0
40	24.6	22.0	14.4	839	0.8	8.0	0.1	-26.0
45	24.7	22.0	14.4	839	0.8	10.0	0.1	-24.0
50	24.6	21.9	14.4	839	0.8	52.0	0.2	-2.0
55	24.6	21.9	16.1	834	0.8	10.0	0.1	-2.0
60	24.6	21.9	16.1	834	0.8	16.0	0.3	-2.0
65	24.6	21.9	16.1	833	0.9	16.0	0.2	-2.0
70	24.6	21.9	16.1	833	0.8	16.0	0.4	-2.0
75	24.6	21.9	16.2	833	0.8	20.0	0.6	-2.0
80	24.6	21.8	16.6	831	0.9	28.0	1.0	-8.0
85	24.6	21.7	16.7	830	0.8	30.0	1.7	-12.0
90	24.6	21.6	16.7	827	0.9	32.0	2.3	-12.0
95	24.6	21.5	16.6	822	0.9	28.0	3.4	-2.0
100	24.6	21.3	16.4	822	1.0	26.0	3.7	-2.0
125	25.1	20.1	15.8	793	1.0	16.4	4.7	-14.0
150	23.5	19.4	15.3	764	0.8	24.0	3.2	0.0
175	22.6	18.9	15.2	739	0.7	14.0	1.9	-0.4
200	21.7	18.5	14.8	697	0.6	12.4	1.3	-0.8
225	20.9	18.3	14.9	606	0.6	4.4	0.8	0.0
250	20.5	18.0	15.2	291	0.5	2.8	0.6	-0.4



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 10 MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.9	24.3	18.1	77	1.3	0.0	0.0	0.0	0
5	26.0	24.3	18.4	77	1.3	4.0	0.1	-6.0	5
10	26.0	24.3	18.4	77	1.3	4.0	0.2	-2.0	10
15	26.0	24.3	18.4	77	1.3	14.0	0.4	-4.0	15
20	26.0	24.3	18.1	77	1.4	16.0	0.6	-2.0	20
25	26.0	24.2	16.1	77	1.5	40.0	0.9	-2.0	25
30	26.0	24.3	18.4	75	1.2	16.0	0.7	-2.0	30
35	25.9	24.3	18.0	75	1.3	12.0	0.7	-2.0	35
40	25.9	24.3	20.2	73	1.1	18.0	0.8	-2.0	40
45	25.9	24.3	19.3	72	1.2	22.0	1.0	-2.0	45
50	25.9	24.2	19.1	72	1.3	14.0	0.8	0.0	50
55	25.9	24.3	20.0	71	1.2	14.0	0.9	-2.0	55
60	25.8	24.2	19.9	71	1.2	12.0	1.1	-2.0	60
65	25.8	24.1	19.7	71	1.3	20.0	1.7	-2.0	65
70	25.8	24.0	19.4	71	1.4	10.0	1.7	0.0	70
75	25.8	24.0	19.0	71	1.4	12.0	1.4	-2.0	75
80	25.7	23.9	18.1	70	1.5	18.0	1.6	-2.0	80
85	25.7	23.8	16.9	69	1.6	24.0	2.3	-2.0	85
90	25.7	23.6	16.9	67	1.7	16.0	2.4	-2.0	90
95	25.7	23.4	17.6	61	1.6	20.0	2.9	-8.0	95
100	25.7	23.3	16.8	61	1.7	16.0	2.9	-2.0	100
125	25.1	22.3	13.3	57	2.3	20.0	4.6	0.0	125
150	24.0	20.8	11.3	54	3.0	21.6	6.0	0.0	150
175	23.2	19.4	9.9	52	3.2	21.6	6.2	1.2	175
200	22.3	18.1	8.6	51	3.5	15.6	5.2	1.2	200
225	21.6	17.0	8.1	45	3.9	15.2	4.2	1.6	225
250	21.2	16.2	7.8	42	3.9	8.4	3.3	0.0	250
275	20.1	14.8	9.5	13	3.8	6.8	2.2	0.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 10 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.3	23.6	17.7	115	1.4	0.0	0.0	0.0	0
5	26.2	23.6	17.7	115	1.4	6.0	-0.1	-4.0	5
10	26.1	23.6	17.7	115	1.4	14.0	0.2	-4.0	10
15	26.1	23.6	17.2	115	1.4	10.0	0.5	-2.0	15
20	26.0	23.5	15.7	115	1.5	98.0	1.7	-4.0	20
25	26.0	23.5	15.3	115	1.5	18.0	0.2	-98.0	25
30	25.8	23.5	17.2	113	1.3	20.0	1.4	-2.0	30
35	25.8	23.4	16.0	113	1.4	24.0	1.5	-2.0	35
40	25.7	23.3	15.4	113	1.5	20.0	1.9	-2.0	40
45	25.7	23.2	15.1	113	1.5	20.0	2.1	-2.0	45
50	25.6	23.1	14.9	113	1.5	20.0	2.1	-2.0	50
55	25.6	23.1	16.9	111	1.4	26.0	1.9	-2.0	55
60	25.6	23.0	15.4	110	1.5	30.0	2.3	-2.0	60
65	25.6	22.9	15.1	110	1.5	16.0	2.5	-2.0	65
70	25.6	22.8	18.9	109	1.3	16.0	2.6	-2.0	70
75	25.6	22.7	18.4	108	1.4	22.0	2.9	-2.0	75
80	25.6	22.6	17.4	107	1.5	20.0	2.6	0.0	80
85	25.5	22.4	16.4	107	1.6	20.0	2.9	-4.0	85
90	25.5	22.3	15.8	101	1.6	20.0	2.4	-2.0	90
95	25.5	22.0	14.8	95	1.7	20.0	2.6	-2.0	95
100	25.4	21.9	13.6	95	1.8	24.0	2.8	-4.0	100
125	24.5	20.7	11.3	74	2.5	15.2	3.9	-0.4	125
150	22.6	19.6	9.8	58	3.1	16.0	4.2	0.0	150
175	22.6	18.7	8.9	57	3.8	16.4	4.2	0.0	175
200	22.4	18.0	8.2	56	4.0	12.8	3.4	0.0	200
225	21.7	17.3	8.1	52	3.9	10.8	2.6	0.0	225
250	21.2	17.3	8.2	41	3.4	10.0	2.2	0.0	250

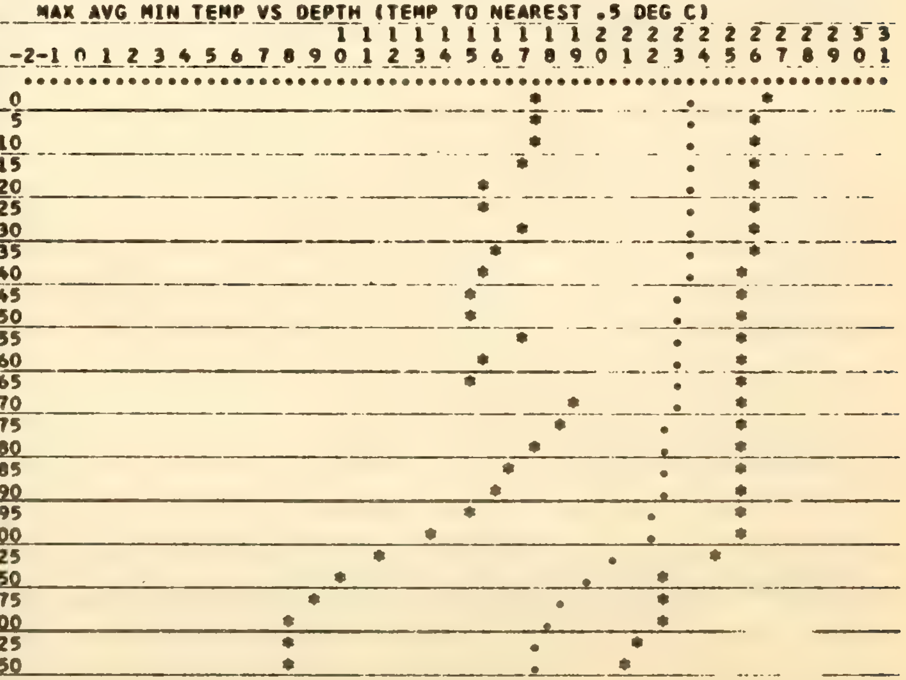


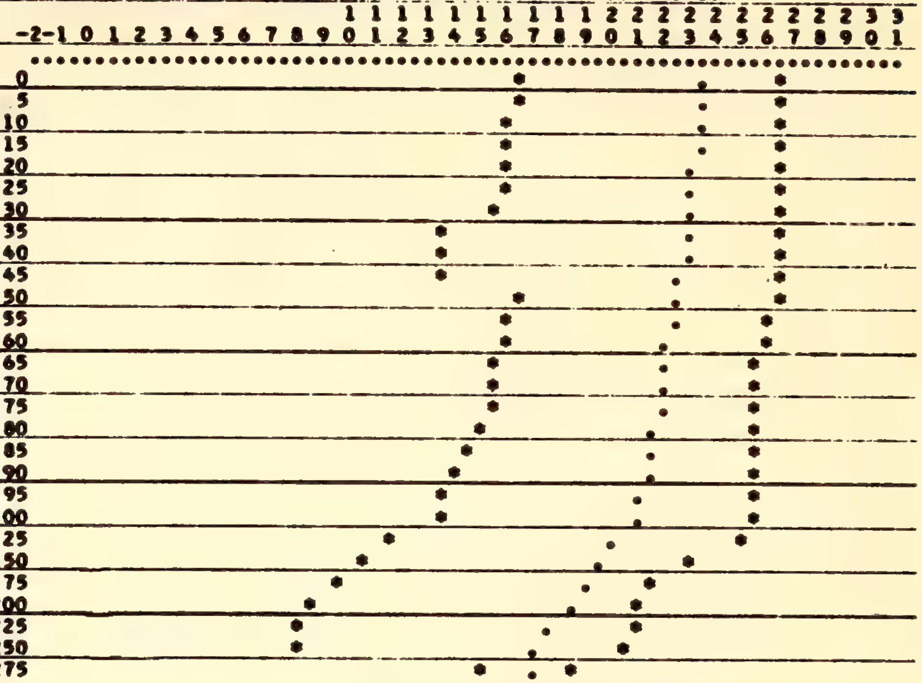
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 10 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.4	23.4	16.3	101	1.6	0.0	0.0	0.0	0
5	26.4	23.3	16.3	101	1.6	12.0	0.4	-2.0	5
10	26.4	23.3	16.1	101	1.6	12.0	0.5	-2.0	10
15	26.4	23.3	16.0	101	1.7	40.0	1.1	-2.0	15
20	26.4	23.2	15.9	101	1.8	38.0	2.0	-2.0	20
25	26.4	23.0	15.9	101	1.9	44.0	2.3	-4.0	25
30	26.4	22.9	15.7	101	2.0	32.0	2.2	-6.0	30
35	26.4	22.9	13.7	98	1.9	58.0	3.4	-2.0	35
40	26.4	22.8	13.5	97	1.9	20.0	3.8	-2.0	40
45	26.4	22.6	13.4	96	1.9	20.0	4.4	0.0	45
50	26.4	22.5	16.4	95	1.8	26.0	3.9	-2.0	50
55	26.2	22.3	16.2	95	1.9	20.0	4.2	0.0	55
60	26.1	22.2	16.0	93	1.9	42.0	3.7	-4.0	60
65	25.6	22.1	15.4	92	1.9	18.0	3.5	-6.0	65
70	25.6	21.9	15.3	92	2.0	22.0	3.4	-6.0	70
75	25.5	21.8	15.3	92	2.1	30.0	3.7	-2.0	75
80	25.5	21.6	15.2	91	2.1	24.0	3.4	-2.0	80
85	25.5	21.4	14.7	91	2.3	34.0	3.8	-2.0	85
90	25.5	21.3	14.2	90	2.4	22.0	3.4	-6.0	90
95	25.4	21.0	13.6	89	2.5	18.0	3.4	-4.0	95
100	25.3	20.9	13.4	89	2.6	24.0	3.6	-6.0	100
125	25.2	19.9	11.6	83	3.0	14.4	3.6	0.0	125
150	22.9	19.6	10.3	65	2.7	8.8	2.7	-0.8	150
175	21.7	19.0	9.3	63	2.8	12.4	2.9	0.0	175
200	21.2	18.3	8.4	62	3.0	8.4	2.7	0.0	200
225	21.1	17.5	7.9	57	3.2	11.2	3.4	0.0	225
250	20.6	16.9	8.0	38	3.4	14.0	3.1	-0.4	250
275	18.7	17.0	14.8	3	1.9	4.0	1.9	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

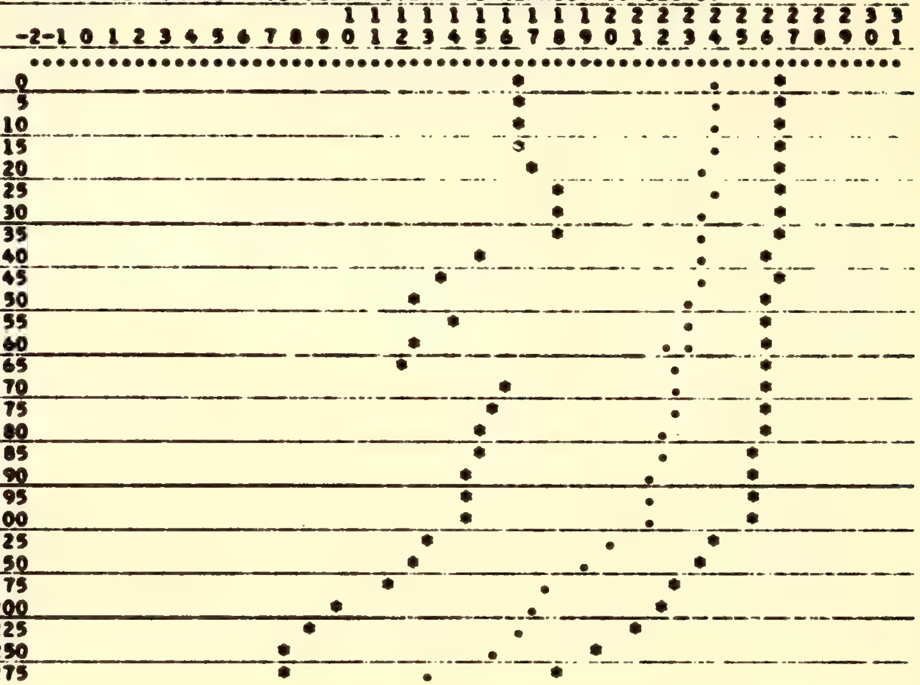


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 10 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.4	23.9	16.7	109	1.9	0.0	0.0	0.0	0
5	26.4	23.8	16.7	109	1.9	6.0	0.2	-2.0	5
10	26.4	23.8	16.7	109	1.9	16.0	0.5	-2.0	10
15	26.4	23.8	16.7	109	1.9	12.0	0.7	-2.0	15
20	26.4	23.7	16.8	109	2.0	22.0	1.1	-2.0	20
25	26.4	23.8	18.0	107	1.8	22.0	1.2	-4.0	25
30	26.4	23.7	18.2	107	1.9	20.0	1.3	-4.0	30
35	26.3	23.7	18.0	107	1.9	16.0	1.7	-2.0	35
40	26.2	23.5	15.0	107	2.1	64.0	3.1	-2.0	40
45	26.3	23.3	13.4	107	2.2	36.0	3.4	-2.0	45
50	26.2	23.1	12.5	107	2.4	54.0	3.5	-2.0	50
55	26.2	23.1	13.8	106	2.3	38.0	2.8	-6.0	55
60	26.2	23.0	12.4	105	2.4	28.0	3.9	-2.0	60
65	26.2	22.7	11.9	105	2.5	30.0	4.5	-8.0	65
70	26.2	22.7	15.8	103	2.3	18.0	4.4	0.0	70
75	25.9	22.4	15.3	102	2.3	20.0	3.8	-4.0	75
80	25.8	22.2	15.0	101	2.4	30.0	4.0	0.0	80
85	25.7	22.0	14.9	101	2.5	44.0	4.9	-2.0	85
90	25.6	21.7	14.6	100	2.6	14.0	4.5	-2.0	90
95	25.6	21.5	14.3	100	2.6	14.0	4.7	0.0	95
100	25.3	21.3	14.3	100	2.7	14.0	4.2	-2.0	100
125	24.1	20.1	12.8	86	2.6	11.2	4.4	0.0	125
150	23.7	18.9	12.4	68	2.8	14.0	4.0	-1.6	150
175	22.7	17.7	11.6	61	2.8	10.8	4.1	0.0	175
200	21.8	16.9	9.6	58	3.0	11.6	4.0	0.0	200
225	21.1	16.6	8.3	50	2.9	10.4	3.4	0.8	225
250	19.6	15.5	7.7	39	3.4	13.2	3.5	1.2	250
275	18.2	12.9	7.6	2	7.4	0.4	0.2	0.0	275

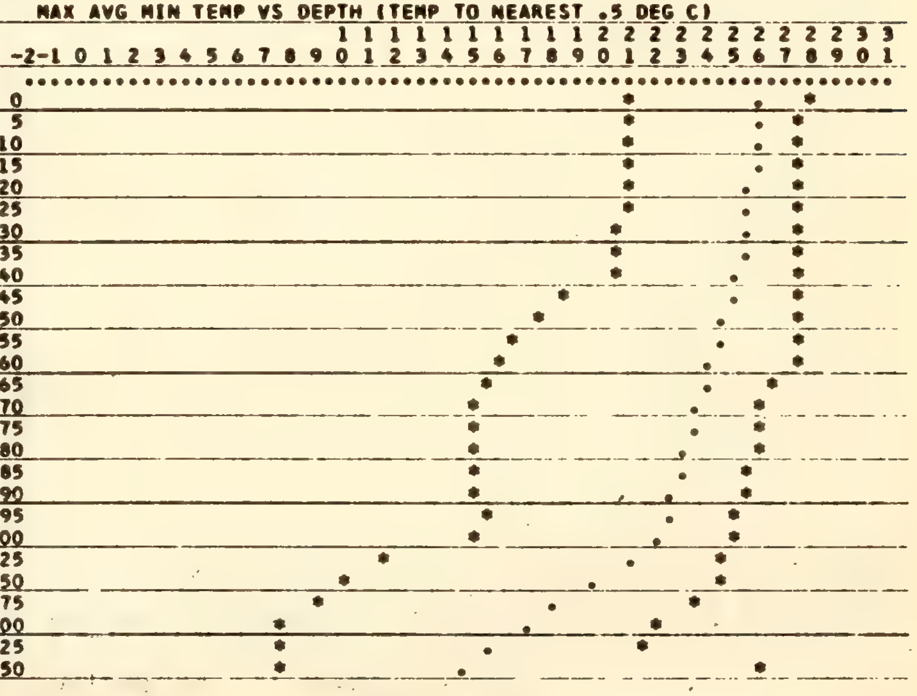
MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 10 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.8	25.9	21.1	155	1.2	0.0	0.0	0.0	0
5	27.7	25.9	20.9	155	1.2	12.0	0.4	-2.0	5
10	27.7	25.8	20.9	155	1.2	8.0	0.6	-2.0	10
15	27.7	25.8	20.9	155	1.1	16.0	0.7	-2.0	15
20	27.7	25.7	20.9	155	1.2	30.0	1.6	-2.0	20
25	27.7	25.6	20.8	154	1.2	28.0	1.7	-2.0	25
30	27.7	25.5	20.7	154	1.2	30.0	2.4	-2.0	30
35	27.6	25.3	20.6	154	1.3	24.0	3.4	-2.0	35
40	27.6	25.1	20.3	154	1.3	26.0	4.1	-2.0	40
45	27.6	24.9	18.5	153	1.3	38.0	5.3	-4.0	45
50	27.6	24.6	17.7	150	1.4	28.0	4.9	-2.0	50
55	27.6	24.4	16.5	147	1.5	26.0	4.9	0.0	55
60	27.4	24.2	16.0	147	1.5	20.0	4.6	-2.0	60
65	26.6	23.9	15.3	146	1.6	36.0	6.5	0.0	65
70	26.2	23.6	15.0	146	1.7	26.0	5.9	-2.0	70
75	26.1	23.3	14.9	146	1.7	32.0	5.6	0.0	75
80	25.9	23.0	14.9	146	1.8	20.0	5.3	0.0	80
85	25.7	22.8	14.9	146	1.9	26.0	5.5	-2.0	85
90	25.4	22.5	14.9	146	2.0	18.0	5.0	-2.0	90
95	25.1	22.3	15.4	144	2.0	18.0	4.9	0.0	95
100	24.9	22.1	14.9	144	2.1	18.0	4.8	-2.0	100
125	24.5	20.9	11.4	141	2.6	14.0	4.9	0.8	125
150	24.4	19.4	9.8	116	2.9	17.2	5.3	0.0	150
175	23.7	18.1	9.1	114	3.4	17.2	5.4	0.8	175
200	21.9	16.9	7.7	111	3.8	14.4	4.4	0.4	200
225	21.4	15.7	7.4	101	4.0	9.6	3.8	0.0	225
250	25.8	14.7	7.3	79	4.3	9.2	3.0	-58.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 10 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.7	27.7	24.2	237	1.0	0.0	0.0	0.0	0
5	29.3	27.7	23.9	237	1.0	12.0	0.7	-6.0	5
10	29.3	27.6	23.8	237	1.0	22.0	1.0	-2.0	10
15	29.3	27.6	23.8	237	1.0	22.0	1.5	-4.0	15
20	29.3	27.5	23.7	237	1.1	36.0	2.3	-2.0	20
25	29.3	27.3	22.2	237	1.3	40.0	2.9	-2.0	25
30	29.3	27.1	21.3	237	1.4	48.0	3.5	-2.0	30
35	29.2	26.9	19.9	237	1.6	42.0	3.9	-4.0	35
40	29.2	26.7	18.8	237	1.7	30.0	4.8	0.0	40
45	29.0	26.4	18.4	236	1.9	28.0	5.7	-2.0	45
50	28.8	26.1	17.8	236	1.9	30.0	5.9	-2.0	50
55	28.4	25.8	16.1	235	2.0	34.0	6.0	-6.0	55
60	28.1	25.6	15.1	234	2.2	28.0	5.4	-4.0	60
65	28.0	25.3	13.9	226	2.3	34.0	6.0	-4.0	65
70	27.9	25.0	13.3	225	2.5	30.0	5.5	-2.0	70
75	27.6	24.7	12.1	224	2.5	30.0	6.0	0.0	75
80	27.3	24.4	11.3	224	2.6	30.0	6.0	0.0	80
85	27.1	24.1	10.6	224	2.7	26.0	6.4	-6.0	85
90	26.8	23.8	10.3	224	2.8	22.0	5.9	0.0	90
95	26.5	23.5	10.1	224	2.8	24.0	6.4	0.0	95
100	26.1	23.2	10.1	224	2.8	24.0	6.5	-6.0	100
125	25.2	21.5	8.8	222	2.8	15.6	6.7	0.8	125
150	24.1	20.2	9.4	215	2.8	15.2	5.8	0.8	150
175	23.1	18.9	8.8	208	2.9	16.0	5.4	0.8	175
200	22.2	17.7	8.8	172	3.2	13.2	4.1	-2.4	200
225	21.8	16.6	8.3	138	3.6	20.8	3.3	0.0	225
250	21.4	16.0	7.7	100	3.8	8.8	3.1	0.0	250

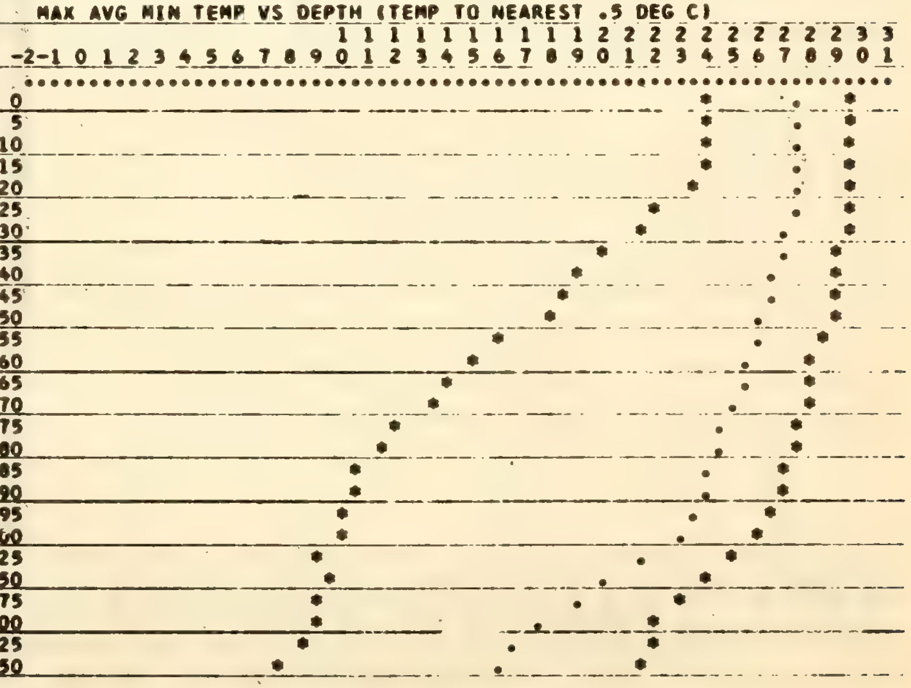
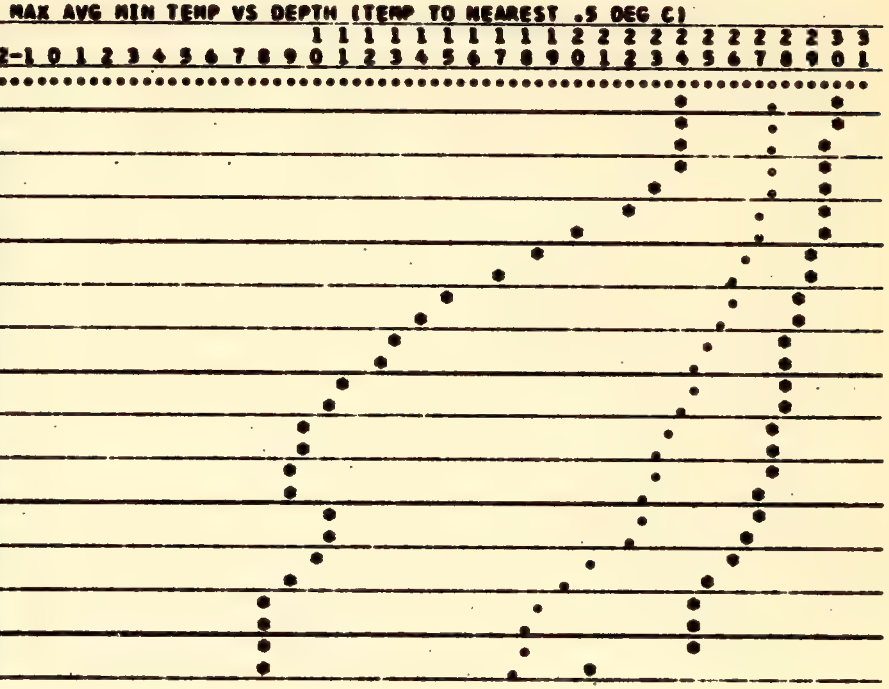


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 10   MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.9	27.6	24.2	179	1.0	0.0	0.0	0.0	0
5	29.8	27.6	24.2	179	1.0	8.0	0.5	-4.0	5
10	29.6	27.5	24.2	179	1.0	8.0	0.8	-4.0	10
15	29.5	27.4	24.2	179	1.0	18.0	1.8	-4.0	15
20	29.5	27.3	23.1	179	1.1	56.0	3.1	-2.0	20
25	29.5	27.1	21.9	179	1.2	56.0	3.3	-4.0	25
30	29.4	26.8	20.2	179	1.3	74.0	5.2	-2.0	30
35	29.0	26.5	18.3	179	1.5	80.0	6.6	-20.0	35
40	28.8	26.2	16.8	179	1.6	34.0	6.7	0.0	40
45	28.4	25.8	15.1	178	1.8	42.0	7.6	0.0	45
50	28.3	25.4	14.0	178	1.9	42.0	7.4	0.0	50
55	28.2	25.0	13.2	177	2.1	56.0	7.9	0.0	55
60	28.1	24.7	12.5	177	2.2	38.0	7.2	0.0	60
65	27.9	24.3	11.0	176	2.3	46.0	8.1	0.0	65
70	27.8	23.9	10.3	176	2.4	40.0	7.0	0.0	70
75	27.7	23.6	9.5	175	2.5	30.0	7.0	0.0	75
80	27.6	23.2	9.3	175	2.6	34.0	6.7	0.0	80
85	27.3	22.8	9.1	175	2.7	32.0	7.5	0.0	85
90	27.1	22.6	8.9	174	2.6	34.0	6.8	0.0	90
95	26.9	22.3	10.7	170	2.5	32.0	7.3	0.0	95
100	26.7	21.9	10.6	170	2.5	32.0	6.2	0.0	100
125	25.8	20.5	10.1	161	2.7	21.2	5.8	1.2	125
150	25.1	19.4	9.0	122	2.7	17.2	4.5	0.8	150
175	24.4	18.6	8.1	110	2.8	11.6	3.6	0.4	175
200	24.4	17.9	7.9	98	3.1	8.0	3.1	0.0	200
225	24.3	17.8	7.9	71	3.5	10.0	2.2	0.0	225
250	20.6	17.4	7.9	47	3.5	8.0	2.2	0.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 10   MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.5	29.3	27.2	49	0.6	0.0	0.0	0.0	0
5	30.5	29.3	27.2	49	0.6	14.0	1.0	-2.0	5
10	30.4	29.2	27.2	49	0.6	6.0	1.3	0.0	10
15	30.3	29.1	27.2	49	0.6	10.0	1.1	0.0	15
20	30.3	29.1	27.2	49	0.7	12.0	1.6	-2.0	20
25	30.2	29.0	27.1	49	0.7	14.0	1.8	-4.0	25
30	30.2	28.8	25.8	49	0.8	26.0	3.3	0.0	30
35	30.1	28.6	24.2	48	0.9	32.0	5.0	0.0	35
40	30.0	28.2	23.8	48	0.9	18.0	6.0	0.0	40
45	29.8	27.9	22.9	48	1.0	20.0	6.7	0.0	45
50	29.7	27.5	22.0	48	1.1	18.0	8.1	0.0	50
55	29.3	27.2	21.2	48	1.3	20.0	7.1	0.0	55
60	28.7	26.8	19.6	47	1.4	32.0	7.2	0.0	60
65	28.3	26.5	18.3	46	1.6	26.0	7.0	0.0	65
70	28.0	26.1	17.2	46	1.7	22.0	7.4	0.0	70
75	27.7	25.8	16.5	46	1.8	16.0	6.9	0.0	75
80	27.3	25.4	15.8	46	2.0	26.0	8.3	2.0	80
85	27.1	24.9	15.1	46	2.3	52.0	10.5	2.0	85
90	26.9	24.4	14.5	46	2.5	30.0	8.5	-2.0	90
95	26.7	24.1	14.1	46	2.6	26.0	7.3	2.0	95
100	26.6	23.7	13.3	46	2.8	20.0	7.4	0.0	100
125	25.4	22.0	14.6	41	2.7	18.0	7.4	3.2	125
150	24.0	20.3	13.7	35	2.9	10.8	5.4	1.2	150
175	23.1	19.3	12.3	34	3.0	9.2	5.0	1.6	175
200	22.0	18.3	11.2	34	3.1	7.6	4.0	1.2	200
225	21.3	17.6	9.2	31	3.2	8.0	3.8	1.6	225
250	20.4	16.6	7.8	29	3.5	6.4	3.6	0.8	250

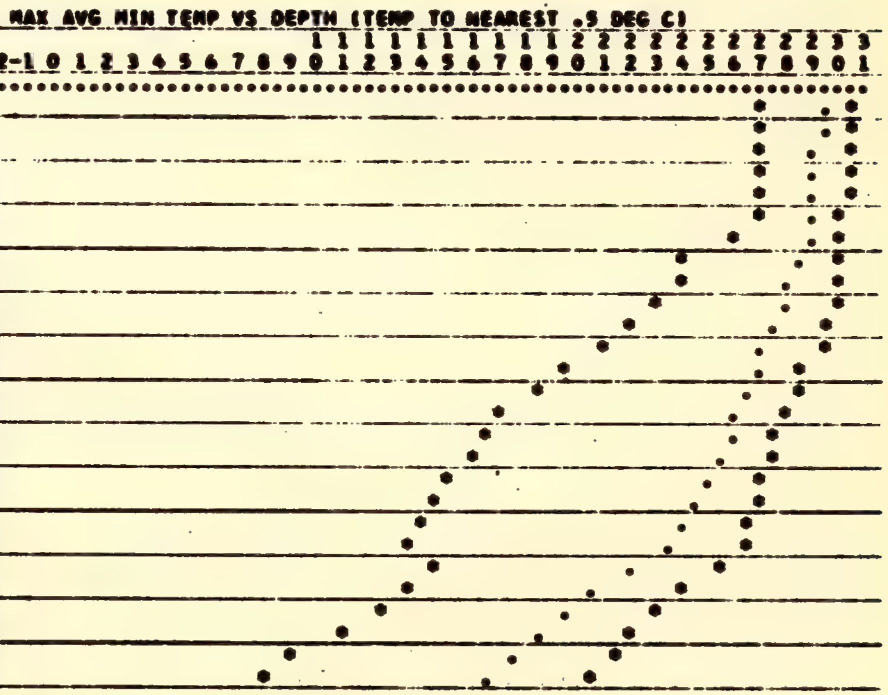


Table VI-1.—Continued

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                  NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 10   MONTH  9

DEPTH                                          GRADIENT
METERS MAX    AVG    MIN     NUM   SDEV      MAX    AVG    MIN
     0 30.0   27.6   25.6     74    1.1      0.0    0.0    0.0    0
     5 29.9   27.6   25.3     74    1.1      6.0    0.7   -2.0    5
    10 29.9   27.5   25.2     74    1.1      4.0    0.5   -4.0   10
    15 29.8   27.5   25.0     74    1.2      6.0    0.7   -6.0   15
    20 29.8   27.5   24.7     74    1.2      6.0    0.9   -2.0   20
    25 29.7   27.4   24.6     74    1.2     12.0    1.1   -2.0   25
    30 29.7   27.3   24.4     74    1.2     10.0    1.3   -4.0   30
    35 29.6   27.3   24.4     74    1.2     10.0    1.7   -2.0   35
    40 29.5   27.1   24.2     74    1.2     16.0    2.4   -2.0   40
    45 29.1   27.0   23.9     74    1.2     36.0    2.9   -2.0   45
    5n 29.5   26.9   23.9     74    1.3     36.0    2.8  -10.0   50
    55 29.7   26.7   23.8     74    1.4     24.0    3.2  -10.0   55
    60 29.8   26.5   23.2     74    1.4     18.0    3.4   -8.0   60
    65 29.8   26.3   23.7     73    1.4     32.0    4.4   -4.0   65
    70 29.8   26.1   23.1     73    1.5     20.0    5.6   -4.0   70
    75 29.5   25.7   22.4     73    1.5     32.0    6.7    0.0   75
    80 29.0   25.4   21.7     73    1.6     20.0    5.6    0.0   80
    85 28.6   25.1   20.6     72    1.7     72.0    7.3    0.0   85
    90 28.5   24.8   18.9     72    1.8     34.0    5.8  -22.0   90
    95 28.4   24.4   17.3     71    2.0     58.0    9.0    0.0   95
   100 28.3   23.9   16.1     71    2.1     30.0    8.7    0.0  100
   125 26.5   21.9   13.1     68    2.5     33.2    8.7    2.4  125
   150 25.1   20.6   12.6     65    2.3     17.2    6.4    1.2  150
   175 22.3   19.0   11.1     64    2.5     18.4    6.3    1.6  175
   200 21.2   17.6    8.8     64    2.7     19.6    5.8    2.4  200
   225 20.3   16.4    7.7     63    3.0     16.8    4.7   -0.4  225
   250 19.2   15.5    6.9     51    3.2     24.8    4.2    0.0  250
   275 15.3   14.2   13.1      2    1.5     10.8    7.2    3.6  275
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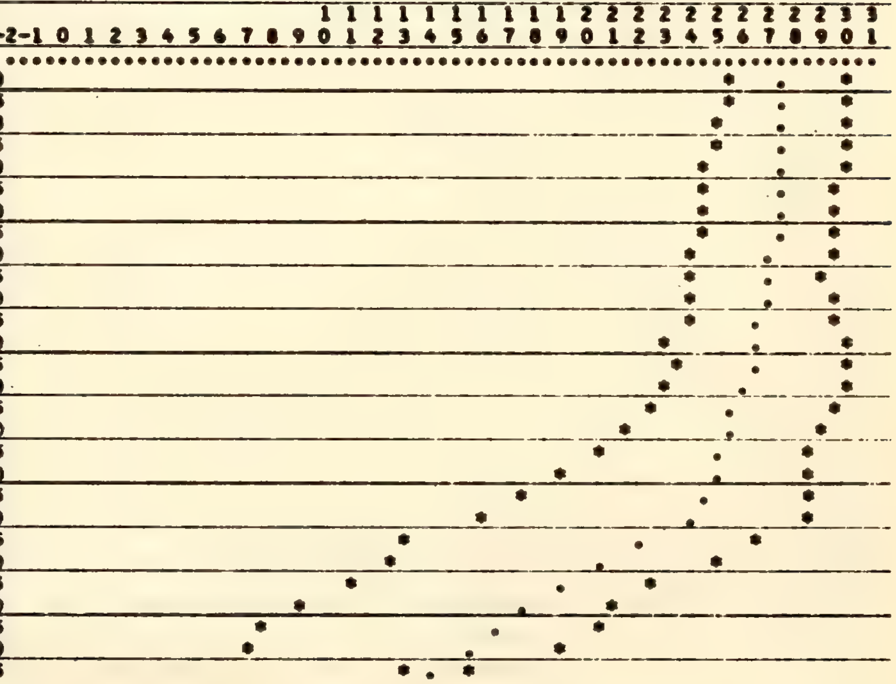
MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



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                  NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 10   MONTH 10

DEPTH                                          GRADIENT
METERS MAX    AVG    MIN     NUM   SDEV      MAX    AVG    MIN
     0 28.7   27.0   23.3    210    1.0      0.0    0.0    0.0    0
     5 28.7   27.0   23.3    210    1.0      4.0    0.1   -2.0    5
    10 28.7   27.0   23.3    210    1.0      4.0    0.1   -4.0   10
    15 28.7   27.0   23.3    210    1.0      8.0    0.1   -2.0   15
    20 28.7   27.0   23.3    210    1.0      8.0    0.3   -2.0   20
    25 28.6   27.0   23.3    210    1.0      8.0    0.2   -2.0   25
    30 28.6   27.0   23.3    219    1.0      8.0    0.6   -2.0   30
    35 28.6   26.9   22.7    210    1.0     30.0    0.8   -2.0   35
    40 28.6   26.9   21.1    210    1.1     32.0    1.4   -2.0   40
    45 28.6   26.8   19.8    209    1.3     60.0    2.2   -2.0   45
    50 28.6   26.6   17.9    209    1.5     56.0    2.6   -2.0   50
    55 28.6   26.5   15.4    209    1.7     50.0    2.7  -20.0   55
    60 28.6   26.3   13.2    208    2.1     88.0    4.0   -2.0   60
    65 28.6   26.1   12.3    208    2.5     80.0    4.4   -2.0   65
    70 28.6   25.9   11.9    208    2.8     44.0    4.2    0.0   70
    75 28.6   25.7   11.4    208    2.9     34.0    4.0   -2.C   75
    80 28.6   25.5   11.5    207    2.9     36.0    4.3   -2.0   80
    85 28.5   25.3   11.3    206    3.1     44.0    5.3   -2.0   85
    90 28.3   25.1   11.1    205    3.1     32.0    5.6   -2.0   90
    95 27.9   24.7   10.7    204    3.3     66.0    7.1    0.0   95
   100 27.6   24.3   10.5    204    3.4     58.0    7.3   -2.0  100
   125 27.1   22.6    8.4    196    3.7     24.4    7.1    0.4  125
   150 26.1   20.8    6.7    188    3.8     31.6    7.2    0.4  150
   175 25.1   19.3    5.4    180    3.8     22.8    6.5    0.4  175
   200 23.3   17.9    4.8    146    3.8     14.0    5.6    1.2  200
   225 22.8   16.7    4.1     88    4.2     15.2    4.2    0.8  225
   250 20.5   16.1    5.4     21    4.3      9.6    3.7    1.2  250
```

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

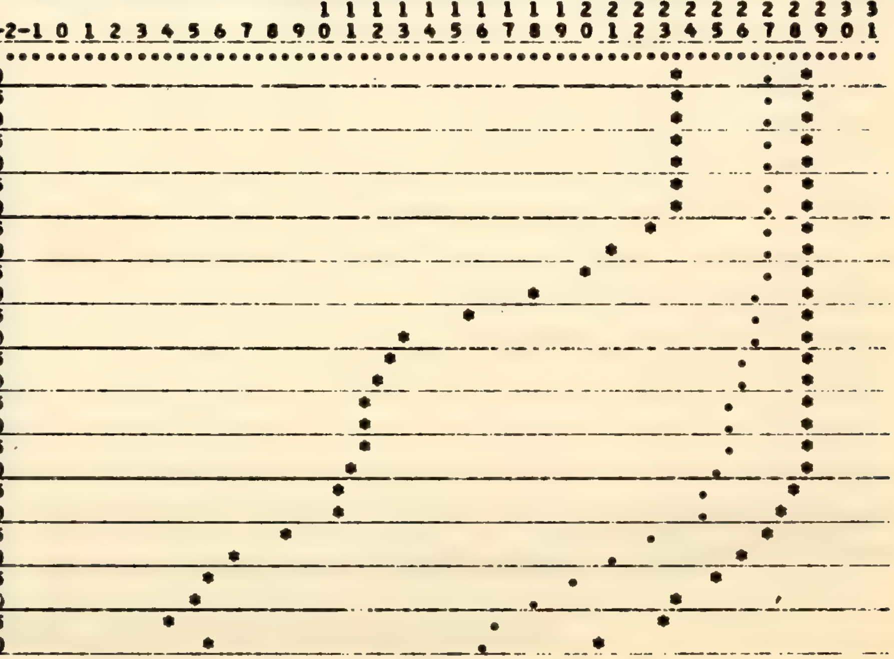


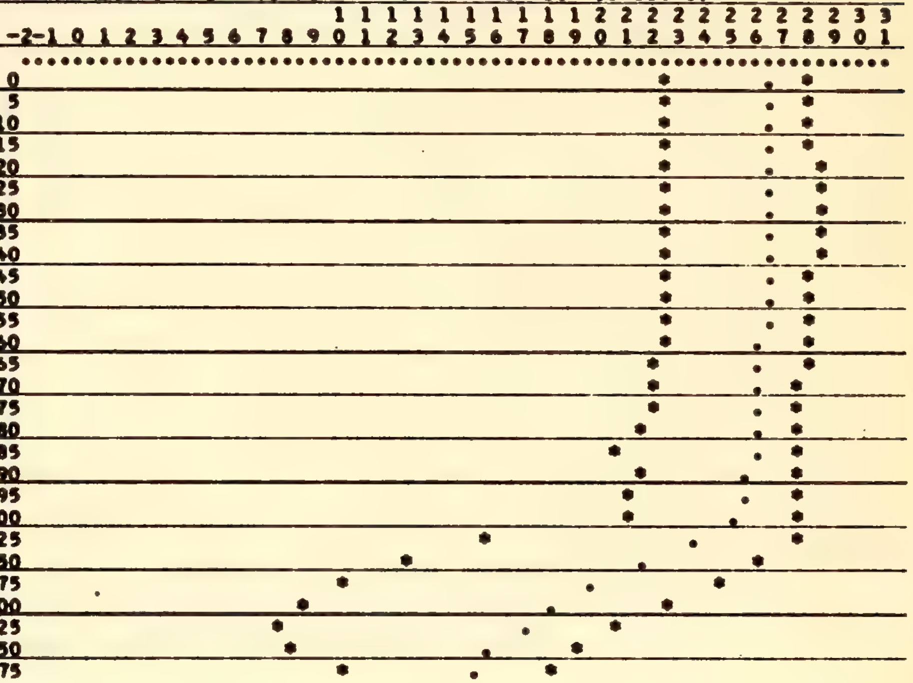
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 10   MONTH 11

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	28.1	26.4	22.7	180	1.0	0.0	0.0	0.0	0
5	28.1	26.4	22.7	180	1.0	4.0	-0.2	-4.0	5
10	28.2	26.4	22.7	180	1.0	2.0	0.0	-2.0	10
15	28.2	26.4	22.7	180	1.0	6.0	0.2	-2.0	15
20	28.3	26.4	22.7	179	1.0	8.0	0.2	-4.0	20
25	28.3	26.4	22.7	178	1.0	8.0	0.3	-2.0	25
30	28.3	26.4	22.7	178	1.0	8.0	0.5	-2.0	30
35	28.3	26.4	22.7	178	1.0	6.0	0.4	0.0	35
40	28.3	26.3	22.7	178	1.0	10.0	0.5	-2.0	40
45	28.2	26.3	22.7	178	1.1	8.0	0.6	-2.0	45
50	28.1	26.3	22.7	177	1.1	6.0	0.4	0.0	50
55	28.1	26.3	22.6	177	1.1	8.0	0.7	-2.0	55
60	28.1	26.2	22.4	177	1.1	16.0	0.8	0.0	60
65	27.9	26.2	22.2	176	1.1	18.0	1.0	-2.0	65
70	27.7	26.1	22.1	176	1.1	8.0	1.1	0.0	70
75	27.7	26.1	21.8	175	1.2	18.0	1.7	0.0	75
80	27.7	26.0	21.3	174	1.2	18.0	2.0	-2.0	80
85	27.7	25.8	20.4	174	1.3	40.0	3.1	0.0	85
90	27.6	25.7	21.4	173	1.3	20.0	3.4	-6.0	90
95	27.6	25.4	21.2	172	1.4	30.0	4.3	0.0	95
100	27.6	25.2	20.9	172	1.4	40.0	4.7	-2.0	100
125	27.4	23.5	15.6	164	2.0	22.0	7.0	0.0	125
150	26.0	21.6	12.7	159	2.1	17.6	7.6	1.6	150
175	24.3	19.7	10.1	158	2.4	23.2	7.4	1.2	175
200	22.6	18.2	8.4	135	2.7	16.4	6.1	2.0	200
225	20.4	16.8	7.7	90	3.2	16.4	5.1	0.4	225
250	18.9	15.7	7.9	40	3.3	12.8	4.5	1.2	250
275.	18.1	15.1	9.8	6	3.2	9.2	4.3	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 10   MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	26.9	24.2	18.3	113	1.5	0.0	0.0	0.0	0
5	26.9	24.2	18.3	113	1.5	2.0	-0.2	-4.0	5
10	26.9	24.3	18.3	113	1.5	4.0	-0.1	-4.0	10
15	26.9	24.3	18.3	112	1.5	6.0	0.0	-4.0	15
20	26.9	24.3	18.3	112	1.6	4.0	0.0	-2.0	20
25	26.9	24.3	18.3	112	1.6	6.0	0.1	-2.0	25
30	26.9	24.2	18.2	112	1.6	8.0	0.5	-2.0	30
35	26.9	24.2	18.2	112	1.6	10.0	0.3	-2.0	35
40	26.9	24.2	18.0	112	1.6	10.0	0.3	-2.0	40
45	26.9	24.2	17.9	112	1.7	8.0	0.6	-2.0	45
50	26.9	24.1	17.8	112	1.7	12.0	0.7	0.0	50
55	26.9	24.1	19.6	111	1.6	20.0	1.3	-2.0	55
60	26.9	24.0	19.6	111	1.5	16.0	1.5	0.0	60
65	26.9	23.9	19.4	111	1.5	28.0	3.2	0.0	65
70	26.9	23.7	18.1	111	1.6	36.0	3.0	0.0	70
75	26.9	23.5	17.5	111	1.7	44.0	4.5	-2.0	75
80	26.9	23.3	17.1	111	1.8	44.0	3.9	-2.0	80
85	26.8	23.1	16.2	110	1.8	38.0	5.2	-6.0	85
90	26.5	22.9	14.8	110	1.9	28.0	4.8	0.0	90
95	26.5	22.5	13.9	107	2.0	30.0	5.2	0.0	95
100	26.5	22.3	12.3	107	2.2	32.0	5.2	0.0	100
125	25.2	20.6	13.0	105	2.2	26.0	6.9	0.0	125
150	22.8	19.0	11.4	94	2.3	21.2	6.8	0.4	150
175	21.7	17.4	9.3	93	2.4	14.0	6.3	2.4	175
200	20.6	16.0	8.4	92	2.7	12.8	5.6	1.6	200
225	19.7	14.7	7.7	77	3.0	8.8	4.5	0.8	225
250	18.8	14.0	7.9	33	3.5	11.2	4.1	0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

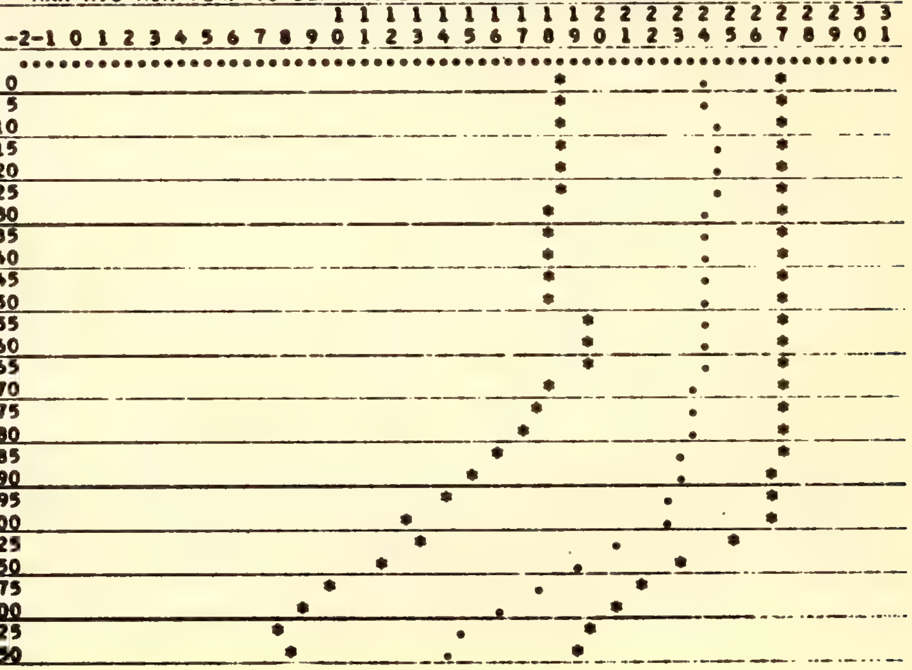


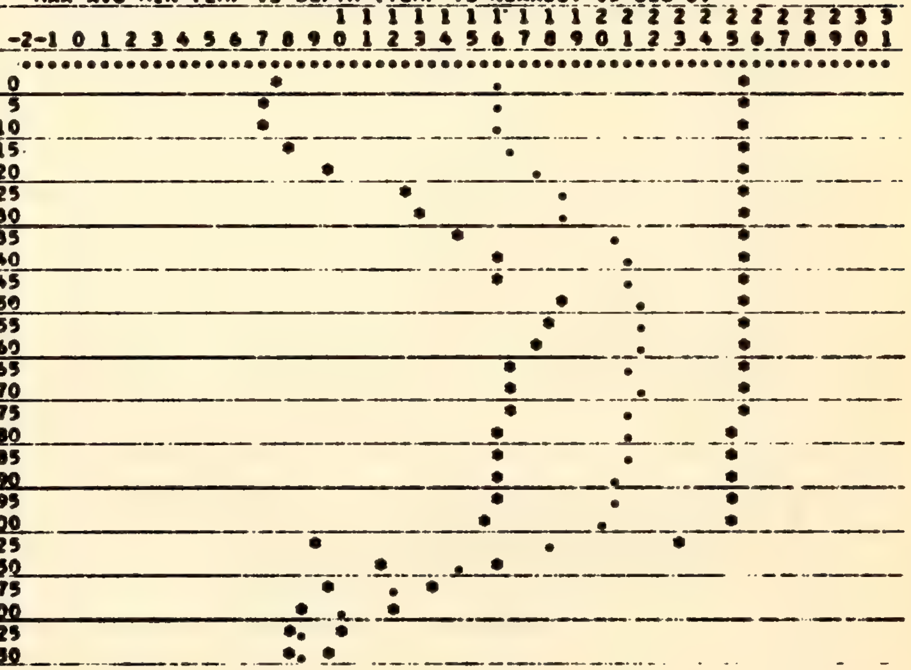
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 11 MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.6	16.2	7.3	281	4.2	0.0	0.0	0.0	0
5	25.6	16.1	7.1	281	4.2	54.0	2.1	-26.0	5
10	25.6	16.2	7.2	271	4.0	56.0	2.4	-30.0	10
15	25.6	16.6	8.2	214	3.9	32.0	2.7	-16.0	15
20	25.6	17.5	9.7	162	3.6	52.0	2.7	-16.0	20
25	25.6	18.3	12.5	120	3.4	30.0	2.9	-22.0	25
30	25.6	18.7	12.9	102	3.3	50.9	3.9	-8.0	30
35	25.6	20.5	14.6	54	2.7	24.0	5.0	0.0	35
40	25.6	20.9	16.2	39	2.5	26.0	4.2	0.0	40
45	25.6	20.9	16.1	36	2.4	16.0	4.3	0.0	45
50	25.6	21.5	18.3	30	1.9	44.0	3.6	0.0	50
55	25.6	21.5	17.8	28	1.9	18.0	2.8	-4.0	55
60	25.6	21.4	17.5	26	2.0	30.0	4.2	0.0	60
65	25.6	21.2	16.7	24	2.1	16.0	3.1	0.0	65
70	25.6	21.3	16.6	23	2.0	12.0	2.6	-2.0	70
75	25.3	21.2	16.5	20	2.0	12.0	3.9	0.0	75
80	25.0	21.0	16.2	20	2.0	8.0	3.3	0.0	80
85	24.9	20.8	16.2	20	2.0	12.0	4.2	0.0	85
90	24.9	20.5	16.1	20	2.0	16.0	5.6	0.0	90
95	24.9	20.4	16.1	17	2.2	24.0	4.7	0.0	95
100	24.9	20.1	15.7	17	2.3	16.0	4.6	0.0	100
125	23.1	18.2	9.2	10	4.0	26.0	7.8	1.2	125
150	16.0	14.3	11.3	5	1.9	16.8	13.8	11.2	150
175	13.4	12.0	9.7	5	1.4	11.6	9.4	6.4	175
200	12.2	10.2	8.3	5	1.6	10.0	7.0	3.6	200
225	10.1	8.7	8.0	4	0.9	12.0	5.8	1.2	225
250	9.4	8.5	7.9	3	0.7	2.8	1.6	0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 11 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.0	15.4	6.2	128	4.3	0.0	0.0	0.0	0
5	25.0	15.5	6.2	125	4.3	48.0	-0.0	-46.0	5
10	25.0	15.5	6.2	123	4.2	48.0	2.5	-42.0	10
15	25.0	16.8	6.4	76	4.5	48.0	1.3	-52.0	15
20	25.0	18.4	9.1	55	3.6	54.0	3.8	-4.0	20
25	25.0	18.9	11.3	48	3.3	26.0	2.6	0.0	25
30	25.0	19.5	13.3	40	3.1	14.0	2.6	-2.0	30
35	25.0	20.1	14.1	33	2.7	22.0	3.9	0.0	35
40	25.0	20.3	15.4	29	2.6	54.0	5.2	0.0	40
45	25.0	20.4	15.4	26	2.8	26.0	3.9	0.0	45
50	25.0	20.1	15.2	25	3.0	20.0	4.2	0.0	50
55	25.0	19.9	14.9	23	3.1	30.0	7.3	0.0	55
60	25.0	20.3	14.9	20	2.8	18.0	4.3	0.0	60
65	24.9	20.2	14.6	20	2.9	14.0	3.7	0.0	65
70	24.9	19.9	14.2	20	3.0	24.0	4.8	0.0	70
75	24.9	20.0	13.8	19	2.9	14.0	3.6	0.0	75
80	24.9	19.9	13.4	18	3.0	18.0	3.8	0.0	80
85	24.8	19.7	13.1	17	3.2	36.0	7.2	0.0	85
90	24.8	19.5	12.7	16	3.4	20.0	7.2	0.0	90
95	24.6	18.4	12.5	13	3.5	28.0	9.2	0.0	95
100	24.6	17.9	12.4	13	3.6	34.0	9.7	0.0	100
125	21.1	15.4	10.2	10	4.0	24.0	9.0	2.8	125
150	14.8	10.9	9.3	6	2.0	16.4	8.6	3.6	150
175	12.7	9.8	8.5	6	1.5	8.4	4.6	0.8	175
200	11.1	8.9	8.2	6	1.1	6.4	3.3	1.2	200
225	11.1	8.9	7.9	4	1.4	2.8	1.1	0.0	225
250	10.9	9.0	7.8	3	1.6	1.2	0.8	0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

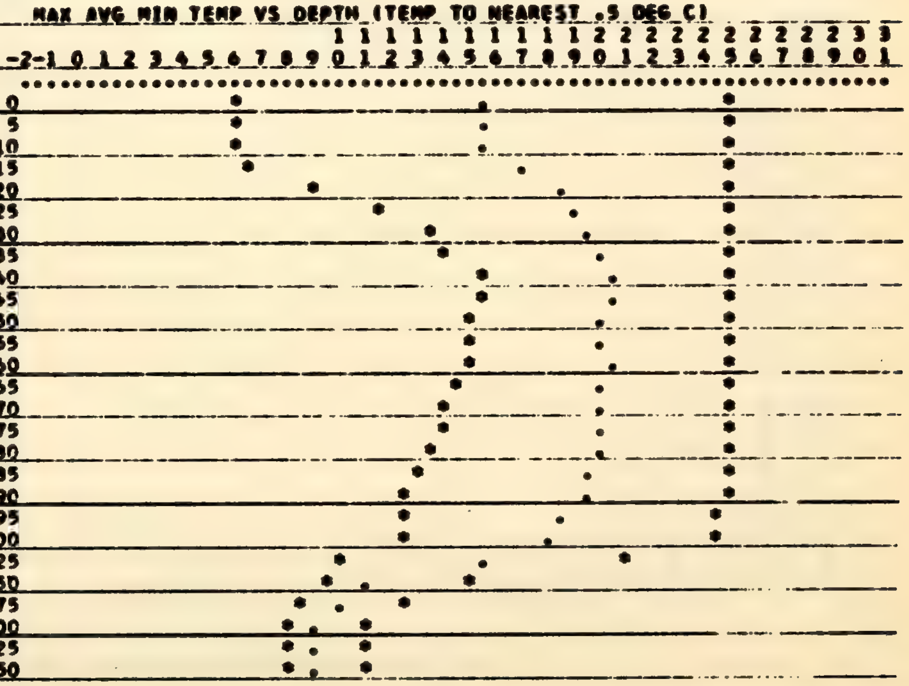
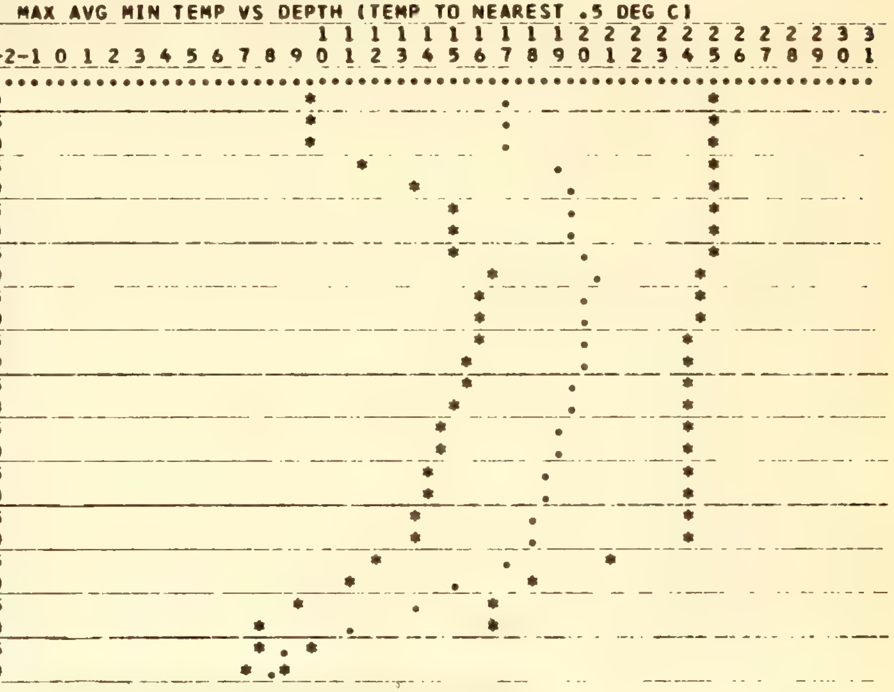


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 11 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.9	17.2	9.4	199	3.4	0.0	0.0	0.0	0
5	24.9	17.1	9.4	198	3.5	36.0	2.1	-4.0	5
10	24.9	17.1	9.4	193	3.5	68.0	2.2	-34.0	10
15	24.9	19.0	11.7	111	3.0	24.0	1.9	-4.0	15
20	24.9	19.5	13.4	95	2.7	14.0	2.2	-2.0	20
25	24.9	19.6	14.8	89	2.5	50.0	3.6	-4.0	25
30	24.9	19.6	14.9	82	2.4	34.0	3.2	-2.0	30
35	24.8	20.0	15.0	67	2.2	30.0	2.9	-2.0	35
40	24.7	20.4	16.3	49	2.1	24.0	3.0	-2.0	40
45	24.5	20.2	16.2	48	2.1	18.0	3.7	-2.0	45
50	24.4	20.1	16.2	45	2.1	16.0	3.8	-2.0	50
55	24.1	19.8	16.2	44	2.1	14.0	3.8	-2.0	55
60	23.9	19.8	15.6	41	2.1	20.0	4.3	-2.0	60
65	23.8	19.6	15.4	37	2.1	14.0	4.1	0.0	65
70	23.8	19.3	15.0	37	2.2	44.0	4.9	0.0	70
75	23.8	19.1	14.7	37	2.2	18.0	4.6	0.0	75
80	23.8	19.0	14.4	35	2.2	14.0	4.3	0.0	80
85	23.8	18.7	14.2	35	2.2	44.0	5.3	0.0	85
90	23.8	18.5	13.8	35	2.3	16.0	4.1	0.0	90
95	23.8	18.2	13.6	34	2.3	16.0	5.0	-2.0	95
100	23.8	17.9	13.3	34	2.4	22.0	5.3	-4.0	100
125	21.1	17.0	12.2	18	2.6	10.4	5.1	0.8	125
150	17.8	15.2	11.2	9	2.6	18.0	7.2	1.2	150
175	16.7	13.7	8.8	9	3.0	10.0	5.8	0.8	175
200	16.3	11.2	7.7	8	2.7	15.6	8.5	0.0	200
225	9.6	8.3	7.3	5	1.0	12.8	5.8	1.6	225
250	8.7	7.8	7.0	2	1.2	2.8	2.0	1.2	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 11 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.5	18.1	6.3	189	3.1	0.0	0.0	0.0	0
5	25.6	18.0	6.2	189	3.1	50.0	2.4	-10.0	5
10	25.6	17.8	6.2	186	3.1	26.0	2.4	-6.0	10
15	25.6	18.4	6.2	114	3.5	32.0	1.8	-14.0	15
20	25.6	19.2	6.2	83	3.4	54.0	2.5	-16.0	20
25	25.6	19.5	6.2	72	3.5	64.0	3.4	-6.0	25
30	25.6	19.6	6.3	65	3.5	18.0	3.2	-2.0	30
35	25.6	19.8	6.3	58	3.5	14.0	2.0	0.0	35
40	25.6	20.2	15.1	51	2.5	22.0	4.4	-4.0	40
45	25.6	20.1	15.1	49	2.4	12.0	3.3	-2.0	45
50	25.6	20.1	15.1	46	2.4	12.0	2.9	0.0	50
55	25.6	20.0	15.1	45	2.4	12.0	3.9	0.0	55
60	25.6	19.7	15.2	43	2.4	24.0	5.0	-2.0	60
65	25.4	19.4	15.2	43	2.4	28.0	7.1	-2.0	65
70	24.8	19.1	15.6	41	2.4	24.0	7.7	0.0	70
75	24.7	18.9	13.5	39	2.5	54.0	8.5	-2.0	75
80	24.2	18.5	12.7	38	2.6	24.0	7.8	0.0	80
85	23.4	18.1	12.2	38	2.6	28.0	7.6	0.0	85
90	22.8	17.7	11.7	37	2.6	30.0	8.1	-2.0	90
95	21.8	17.3	11.3	37	2.6	26.0	8.1	0.0	95
100	21.3	16.9	11.2	37	2.6	22.0	7.3	0.0	100
125	20.4	15.6	9.7	29	2.6	12.0	5.3	0.4	125
150	18.9	13.8	7.2	21	2.7	11.2	6.3	1.6	150
175	17.1	12.6	6.8	21	2.7	9.6	4.8	0.8	175
200	16.8	11.6	6.8	20	2.6	6.8	3.7	0.0	200
225	16.7	10.7	6.7	17	2.7	7.2	2.9	0.0	225
250	16.5	9.7	6.4	14	2.7	6.8	2.9	0.4	250

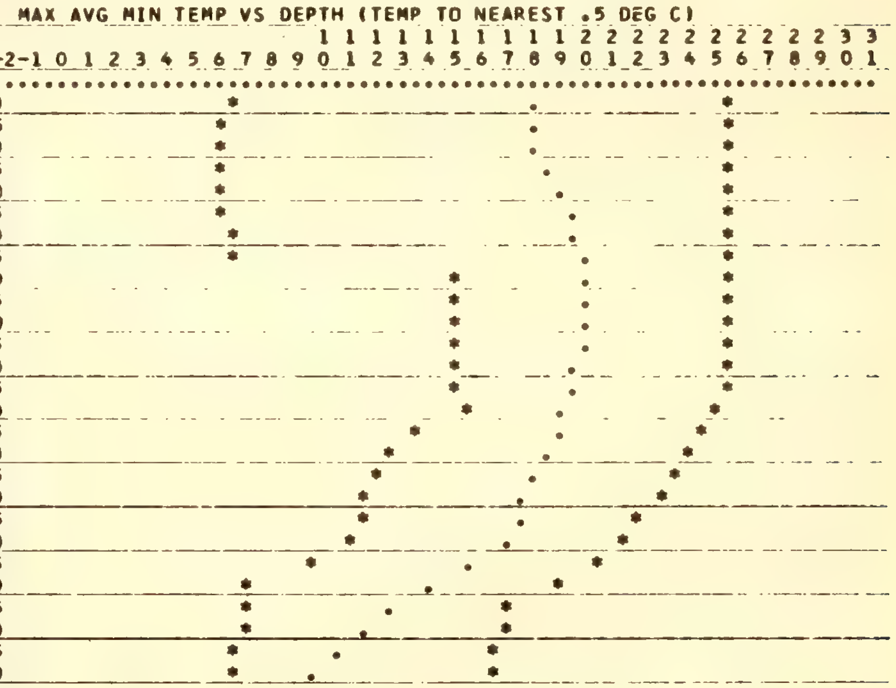
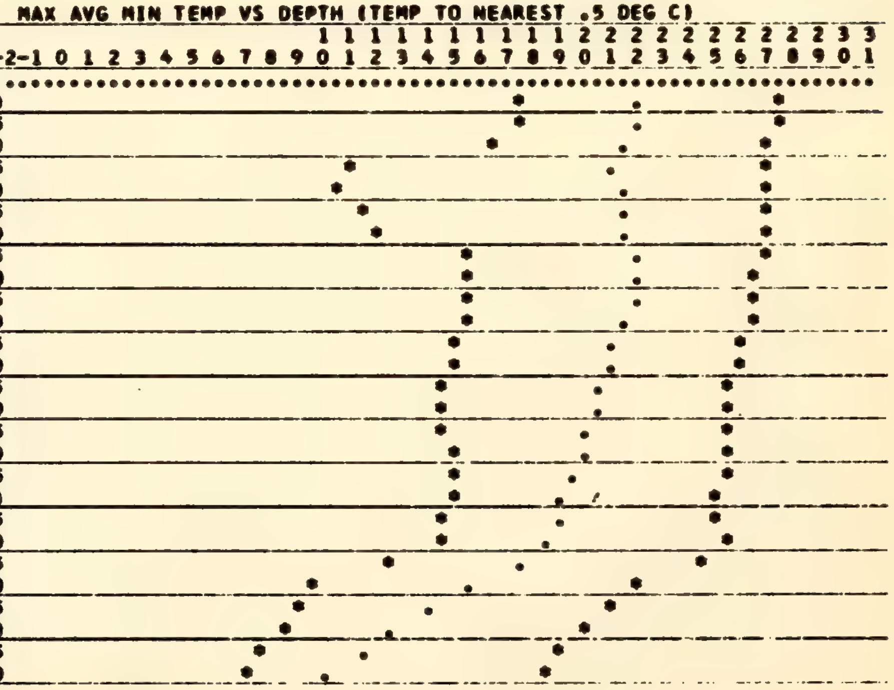


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 11 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.5	22.0	17.6	262	2.2	0.0	0.0	0.0	0
5	27.4	21.8	17.4	261	2.2	72.0	4.2	-12.0	5
10	27.1	21.4	16.6	246	2.3	50.0	5.5	-14.0	10
15	27.1	21.2	11.1	168	3.0	116.0	8.1	-46.0	15
20	27.1	21.4	10.3	119	3.3	80.0	6.5	-8.0	20
25	27.0	21.7	11.4	104	2.8	38.0	5.4	-4.0	25
30	27.0	21.6	11.9	92	2.8	24.0	4.6	-10.0	30
35	27.0	22.0	15.6	72	2.6	26.0	5.3	-6.0	35
40	26.7	22.0	15.5	58	2.7	30.0	7.3	0.0	40
45	26.6	21.9	15.6	51	2.7	24.0	7.1	-2.0	45
50	26.3	21.5	15.5	49	2.6	22.0	7.0	0.0	50
55	26.1	21.2	15.1	48	2.6	18.0	7.2	0.0	55
60	25.9	21.1	15.1	43	2.6	28.0	6.3	0.0	60
65	25.7	20.5	14.5	43	2.7	78.0	10.3	2.0	65
70	25.6	20.3	14.4	41	2.7	22.0	6.3	-4.0	70
75	25.6	19.9	14.5	39	2.9	36.0	7.0	-2.0	75
80	25.6	19.8	14.9	37	2.8	22.0	5.8	0.0	80
85	25.4	19.3	14.8	37	2.8	106.0	9.7	0.0	85
90	25.2	19.1	14.8	36	2.9	22.0	3.8	-90.0	90
95	25.2	18.9	14.7	34	2.9	22.0	5.9	0.0	95
100	25.4	18.6	14.7	34	3.0	40.0	6.4	-4.0	100
125	24.6	17.6	12.4	25	3.2	12.8	7.2	2.4	125
150	22.1	15.5	9.7	16	3.4	19.2	6.7	1.2	150
175	21.2	14.2	9.2	15	3.3	15.6	6.5	2.4	175
200	20.2	12.7	8.3	15	3.3	13.6	5.9	2.0	200
225	19.2	11.7	7.3	13	3.7	14.8	5.5	0.4	225
250	18.7	10.2	6.9	12	3.6	14.8	4.5	0.8	250


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 11 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.5	24.6	18.6	226	1.7	0.0	0.0	0.0	0
5	28.5	24.4	18.6	225	1.7	42.0	2.9	-10.0	5
10	28.5	24.1	14.7	221	1.9	148.0	5.9	-18.0	10
15	28.5	23.9	14.3	163	2.3	104.0	6.8	-10.0	15
20	28.5	23.6	14.2	129	2.5	108.0	9.9	-60.0	20
25	27.7	23.2	14.1	112	2.5	58.0	10.4	-12.0	25
30	27.4	23.0	14.2	96	2.4	56.0	9.9	-2.0	30
35	27.1	22.7	14.2	77	2.5	60.0	12.5	-2.0	35
40	27.1	22.4	14.8	66	2.3	34.0	11.2	0.0	40
45	27.1	21.9	14.1	63	2.3	42.0	11.5	0.0	45
50	26.9	21.3	13.1	60	2.4	60.0	12.1	0.0	50
55	26.5	20.9	11.1	55	2.5	58.0	11.5	2.0	55
60	26.4	20.5	15.4	53	2.1	30.0	9.2	0.0	60
65	26.1	20.0	15.2	51	2.2	26.0	10.2	0.0	65
70	25.7	19.6	14.8	50	2.2	32.0	8.6	2.0	70
75	25.3	19.2	14.3	49	2.2	24.0	8.3	0.0	75
80	25.1	18.8	14.3	47	2.2	18.0	6.1	0.0	80
85	24.8	18.5	14.2	47	2.2	18.0	6.2	0.0	85
90	23.9	18.3	14.1	46	2.1	18.0	5.5	0.0	90
95	22.7	18.0	14.0	44	2.1	24.0	5.6	0.0	95
100	22.1	17.8	13.9	44	2.0	12.0	4.9	0.0	100
125	20.4	16.2	10.8	41	2.2	21.2	6.4	0.4	125
150	19.2	14.8	8.7	35	2.8	19.6	5.5	0.0	150
175	18.4	13.7	7.6	32	2.8	12.4	4.8	1.6	175
200	17.3	12.7	7.4	26	2.8	9.2	4.2	0.4	200
225	16.4	12.0	7.3	25	2.6	6.8	3.0	0.4	225
250	15.3	11.7	7.4	18	2.5	5.2	2.8	0.0	250
275	15.0	12.0	9.6	7	2.1	5.2	2.6	0.8	275

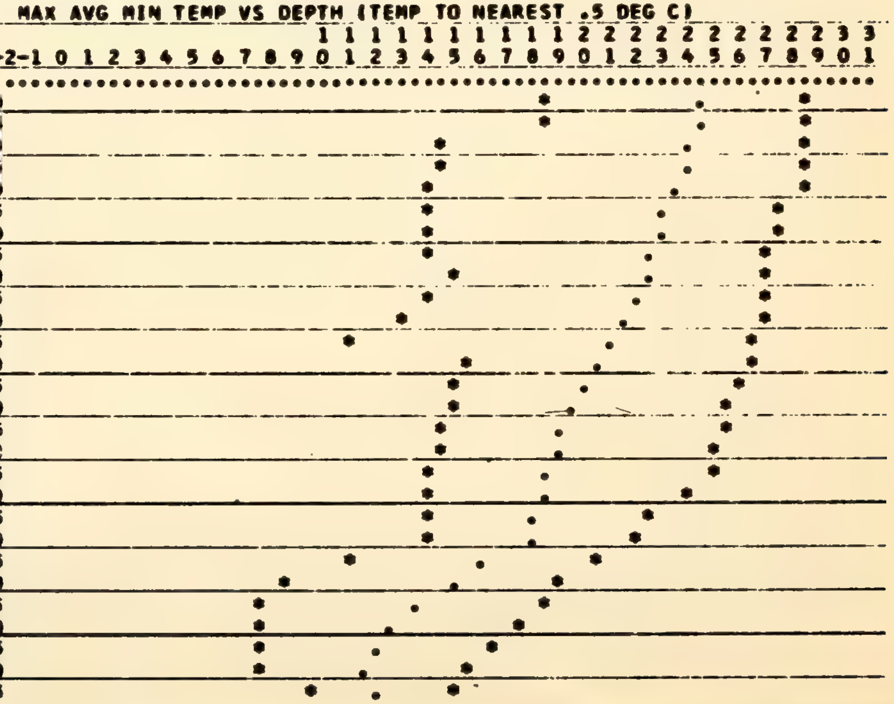
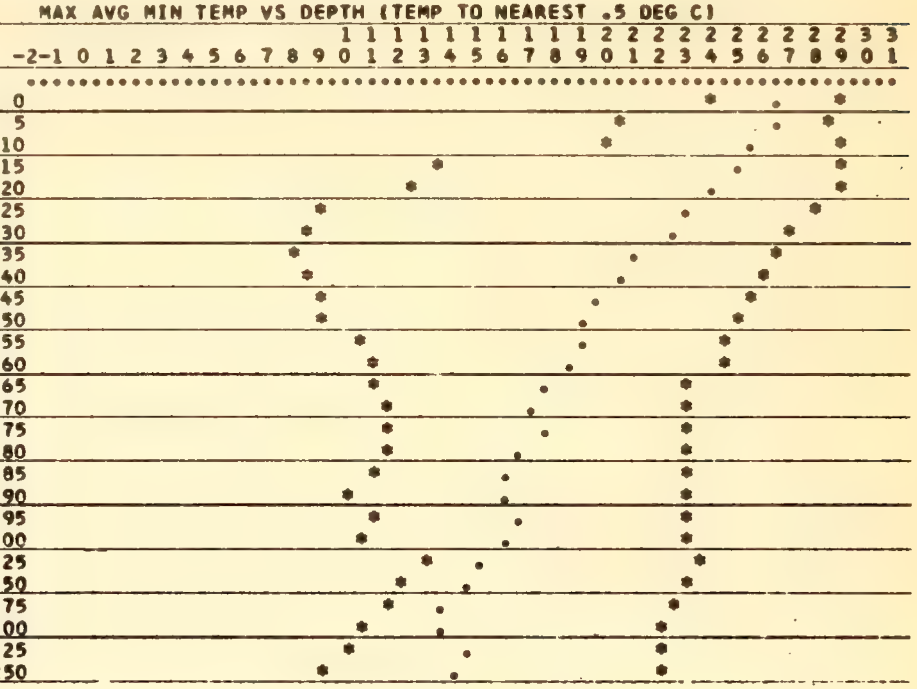

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 11 MONTH 7

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	28.9	26.5	23.8	174	0.9	0.0	0.0	0.0	0
5	28.7	26.3	20.6	173	1.0	94.0	3.5	-4.0	5
10	28.8	25.5	20.2	172	1.6	114.0	16.4	-10.0	10
15	28.8	24.9	13.4	116	2.2	164.0	17.2	-4.0	15
20	28.9	24.2	12.4	78	2.7	244.0	23.2	-2.0	20
25	28.1	23.2	9.1	70	3.1	104.0	22.5	-2.0	25
30	27.2	22.3	8.3	57	3.4	190.0	24.2	0.0	30
35	26.5	21.2	7.9	48	3.3	48.0	18.6	-26.0	35
40	25.9	20.4	8.5	39	3.3	48.0	16.5	-32.0	40
45	25.4	19.6	9.2	38	3.3	46.0	16.5	-14.0	45
50	25.0	19.0	9.2	34	3.3	42.0	12.8	0.0	50
55	24.6	18.9	10.3	30	3.0	32.0	10.0	-2.0	55
60	24.6	18.4	11.1	26	3.1	28.0	9.2	-16.0	60
65	23.2	17.5	11.2	24	3.2	56.0	13.7	-2.0	65
70	23.2	17.1	11.6	22	3.4	20.0	8.2	-8.0	70
75	23.2	17.3	11.7	19	3.1	22.0	7.6	-8.0	75
80	23.2	16.7	11.6	18	3.1	16.0	6.7	0.0	80
85	23.2	16.2	10.9	18	3.3	32.0	9.9	0.0	85
90	23.1	15.8	9.9	17	3.5	22.0	7.4	0.0	90
95	23.2	16.5	11.1	14	3.0	12.0	5.0	-2.0	95
100	23.2	16.2	10.6	14	3.0	14.0	5.7	-14.0	100
125	23.3	15.2	12.9	12	2.9	12.0	4.9	-0.4	125
150	23.2	14.3	12.1	10	3.2	5.6	3.4	0.4	150
175	22.6	13.6	11.3	8	3.6	5.6	3.2	2.0	175
200	22.2	13.3	10.6	6	4.4	4.4	2.7	1.2	200
225	22.2	14.4	9.8	3	6.7	3.2	1.7	0.0	225
250	22.2	13.9	9.2	3	7.1	3.2	1.9	0.0	250


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 11 MONTH 8

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	30.2	27.2	24.9	198	0.9	0.0	0.0	0.0	0
5	30.0	26.9	20.2	198	1.1	124.0	4.7	-6.0	5
10	29.9	26.2	18.2	193	1.7	146.0	15.1	-8.0	10
15	29.8	25.7	15.9	134	2.3	102.0	15.1	-2.0	15
20	29.8	25.4	15.1	78	2.8	76.0	20.5	-2.0	20
25	29.8	24.3	14.8	72	2.9	82.0	22.9	-2.0	25
30	29.4	24.1	14.9	61	2.9	88.0	11.6	-2.0	30
35	29.3	24.2	18.1	44	2.7	50.0	11.9	-2.0	35
40	29.2	24.3	19.6	26	3.0	72.0	14.8	0.0	40
45	28.7	24.9	19.1	18	3.1	56.0	14.9	0.0	45
50	28.6	24.2	18.4	17	3.4	26.0	10.7	0.0	50
55	28.4	23.9	17.7	15	3.8	62.0	14.8	4.0	55
60	28.1	23.6	16.9	14	4.1	42.0	8.7	2.0	60
65	28.0	24.2	17.1	12	3.7	8.0	5.0	2.0	65
70	27.9	23.9	16.7	12	3.8	16.0	5.7	0.0	70
75	27.7	23.8	16.3	11	4.0	18.0	6.0	0.0	75
80	27.7	23.5	16.1	11	4.0	12.0	5.6	0.0	80
85	27.5	23.2	15.6	11	4.0	14.0	6.4	0.0	85
90	27.3	22.9	15.1	11	4.1	10.0	5.5	2.0	90
95	27.3	22.7	14.7	11	4.1	10.0	4.4	0.0	95
100	27.3	22.5	14.3	11	4.2	8.0	4.4	0.0	100
125	26.4	21.7	13.0	7	4.3	13.6	5.5	3.2	125
150	25.4	20.6	11.2	7	4.6	7.2	4.5	3.2	150
175	24.4	19.3	10.1	6	4.9	4.8	4.0	2.0	175
200	23.3	18.1	9.4	5	5.3	4.4	3.3	1.2	200
225	18.6	14.8	9.2	3	4.9	4.0	1.9	0.8	225
250	18.4	14.3	9.1	3	4.7	4.8	2.0	0.4	250

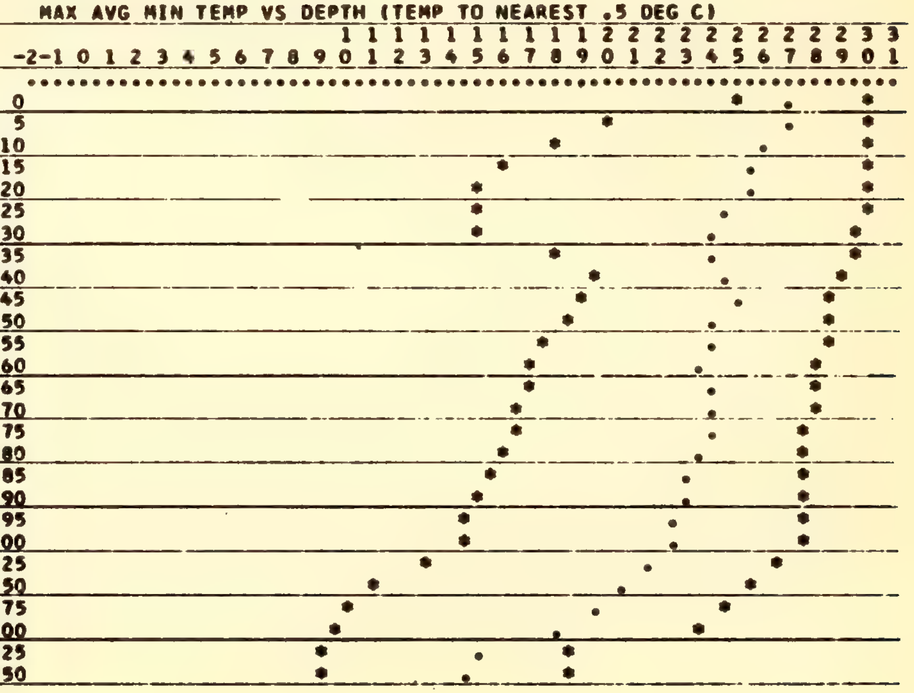

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

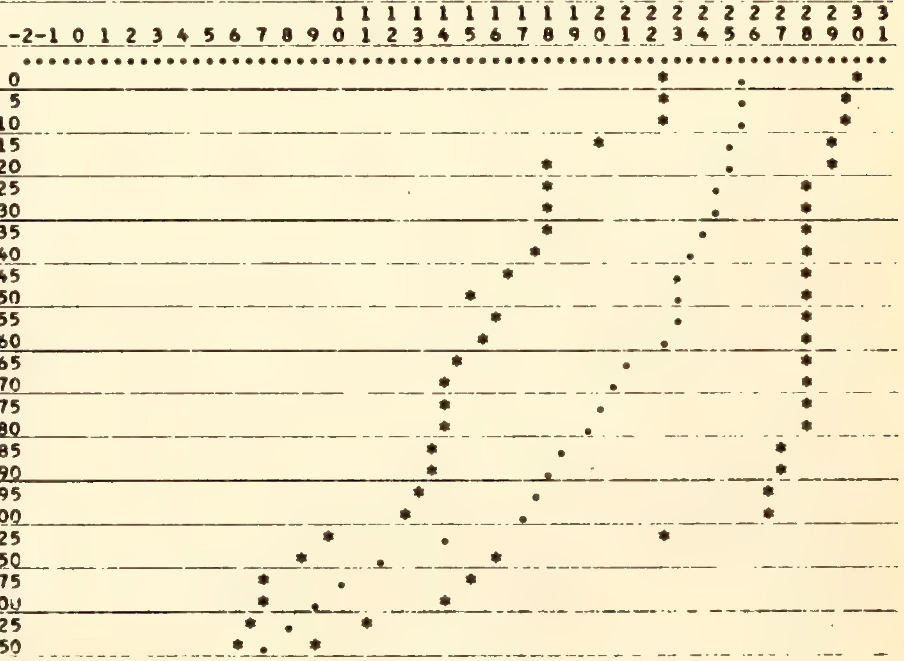
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 11 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.9	25.4	22.3	122	1.7	0.0	0.0	0.0	0
5	29.7	25.4	22.4	121	1.7	10.0	0.6	-8.0	5
10	29.4	25.3	22.4	120	1.6	36.0	1.5	-14.0	10
15	29.1	25.1	20.0	91	1.8	116.0	4.4	-26.0	15
20	28.8	24.8	18.1	63	2.0	56.0	4.8	-6.0	20
25	28.2	24.5	18.1	51	2.2	92.0	8.1	-4.0	25
30	28.2	24.4	17.9	41	2.4	36.0	7.0	0.0	30
35	28.2	24.2	17.8	31	2.8	28.0	6.8	0.0	35
40	28.2	23.7	17.7	25	3.0	26.0	6.4	0.0	40
45	28.2	23.2	16.7	25	3.2	28.0	9.0	0.0	45
50	28.2	22.9	14.8	22	3.5	38.0	10.9	0.0	50
55	28.1	22.8	15.8	19	3.5	46.0	11.3	0.0	55
60	28.1	22.3	15.4	16	4.0	40.0	11.1	0.0	60
65	28.1	21.0	14.6	12	4.4	28.0	1C.8	0.0	65
70	28.1	20.4	14.1	12	4.6	34.0	11.2	0.0	70
75	28.0	19.9	13.9	12	4.6	26.0	10.2	0.0	75
80	27.8	19.4	13.9	12	4.7	32.0	10.8	0.0	80
85	27.2	18.5	13.6	12	4.8	52.0	17.2	2.0	85
90	26.8	18.1	13.4	11	4.9	32.0	11.8	2.0	90
95	26.7	17.6	12.9	11	4.8	40.0	9.8	0.0	95
100	26.4	17.1	12.4	11	4.8	24.0	9.5	2.0	100
125	22.5	14.2	9.7	7	4.6	28.4	16.4	5.2	125
150	16.2	11.3	8.3	6	2.9	25.2	14.3	4.4	150
175	15.2	10.1	6.8	6	2.9	6.4	5.1	3.6	175
200	13.9	9.2	6.8	6	2.5	7.2	3.6	0.0	200
225	11.2	7.9	6.7	5	1.9	10.8	4.5	0.0	225
250	8.9	7.2	6.2	4	1.2	9.2	4.0	1.2	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 11 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.3	24.2	18.2	197	2.0	0.0	0.0	0.0	0
5	28.3	24.1	18.2	197	2.0	12.0	0.4	-8.0	5
10	28.3	24.1	18.3	194	2.0	10.0	0.7	-2.0	10
15	28.3	24.3	18.6	157	2.0	32.0	1.6	-6.0	15
20	28.3	24.6	20.6	134	2.0	32.0	2.0	-2.0	20
25	28.3	24.6	20.1	129	2.0	32.0	1.6	-4.0	25
30	28.3	24.7	19.4	115	2.1	22.0	1.8	-16.0	30
35	28.3	24.7	18.7	104	2.2	82.0	2.9	-2.0	35
40	28.3	24.5	18.1	95	2.3	54.0	4.0	0.0	40
45	28.3	24.4	17.7	93	2.4	44.0	4.2	0.0	45
50	28.3	24.4	17.0	85	2.4	34.0	3.9	0.0	50
55	28.3	24.3	18.3	81	2.5	44.0	4.6	-2.0	55
60	28.3	24.0	15.8	81	2.8	56.0	6.8	0.0	60
65	28.3	23.7	14.6	76	3.1	32.0	6.9	0.0	65
70	28.3	23.3	14.0	76	3.3	32.0	8.4	0.0	70
75	28.3	22.9	13.2	71	3.6	44.0	10.7	0.0	75
80	28.3	22.4	12.7	59	4.0	34.0	11.5	-2.0	80
85	28.3	21.6	12.3	68	4.3	44.0	15.3	0.0	85
90	28.3	21.1	11.7	61	4.7	50.0	16.1	0.0	90
95	28.3	20.5	11.2	57	5.0	56.0	17.3	0.0	95
100	28.2	19.7	11.0	57	5.1	96.0	16.5	0.0	100
125	25.1	16.8	9.3	49	4.8	36.0	14.0	-2.4	125
150	22.1	14.0	6.9	44	4.0	35.2	12.7	1.2	150
175	20.7	12.3	5.9	37	3.8	18.8	7.9	1.6	175
200	18.9	10.8	5.1	29	3.5	21.2	6.8	2.0	200
225	18.8	10.5	6.8	17	3.8	14.0	5.0	0.4	225
250	18.5	11.3	6.9	7	4.0	4.8	2.6	0.8	250
275	18.3	18.3	18.3	1	0.0	0.8	0.8	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

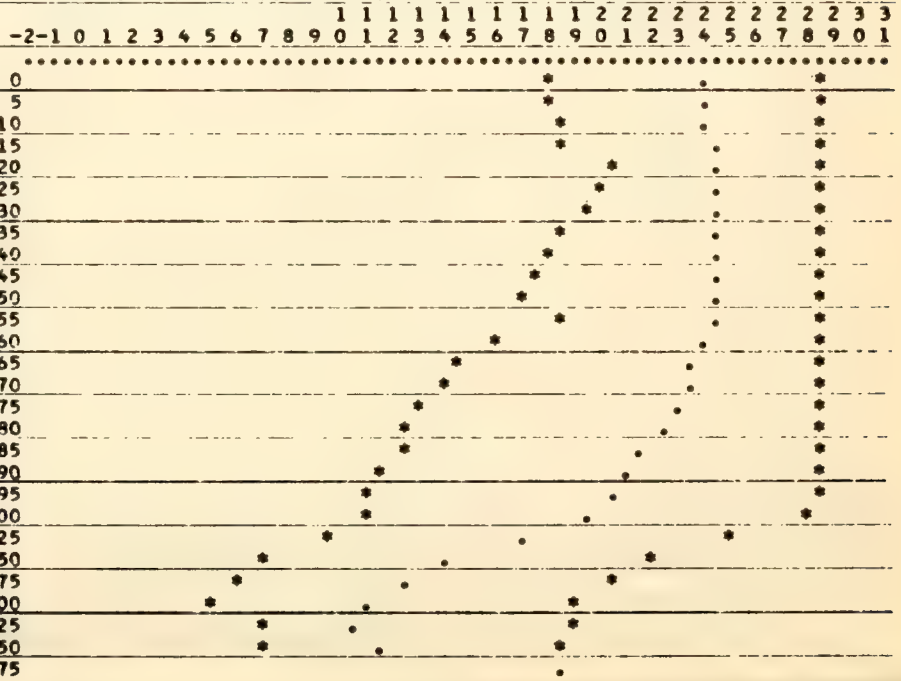


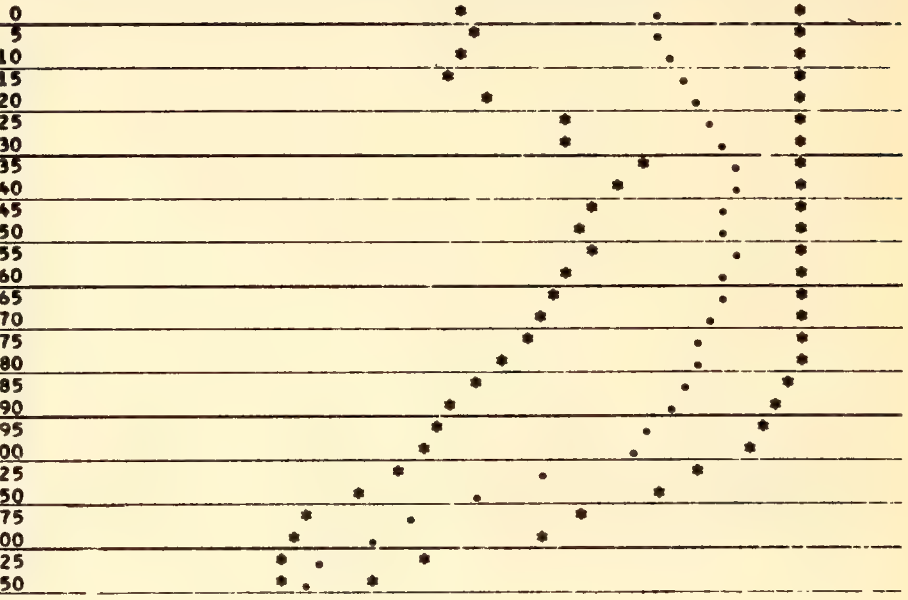
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 11   MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.5	22.1	14.5	116	3.5	0.0	0.0	0.0	0
5	27.5	22.1	15.0	116	3.5	12.0	0.5	-10.0	5
10	27.5	22.3	14.6	111	3.4	24.0	0.4	-8.0	10
15	27.6	23.1	14.2	83	3.3	16.0	-1.1	-32.0	15
20	27.6	23.6	15.5	74	3.0	14.0	-0.1	-24.0	20
25	27.6	24.1	18.4	68	2.4	32.0	0.9	-4.0	25
30	27.6	24.4	18.4	60	2.2	12.0	1.2	-4.0	30
35	27.6	24.9	21.3	53	1.6	28.0	1.8	-4.0	35
40	27.6	24.9	20.7	53	1.6	12.0	1.3	-6.0	40
45	27.5	24.7	19.7	52	1.7	20.0	2.2	0.0	45
50	27.5	24.7	18.9	46	1.9	52.0	3.2	0.0	50
55	27.5	24.8	19.7	43	1.8	30.0	2.7	-2.0	55
60	27.5	24.6	18.4	43	1.9	26.0	3.0	-2.0	60
65	27.5	24.4	17.8	42	2.0	30.0	4.8	-2.0	65
70	27.5	24.1	17.3	42	2.1	26.0	6.0	-2.0	70
75	27.4	23.6	16.8	42	2.2	42.0	8.7	0.0	75
80	27.3	23.4	16.2	39	2.4	34.0	7.2	-2.0	80
85	26.9	22.9	15.2	37	2.7	52.0	11.3	0.0	85
90	26.6	22.3	14.1	37	2.9	48.0	11.2	-2.0	90
95	26.0	21.7	13.6	35	3.1	34.0	12.9	0.0	95
100	25.6	21.0	13.2	35	3.3	40.0	13.1	2.0	100
125	23.4	17.7	12.2	32	3.4	25.6	12.4	3.6	125
150	21.9	15.0	10.3	30	3.2	25.6	10.7	3.6	150
175	18.9	12.7	8.5	29	2.9	20.4	9.6	2.0	175
200	17.4	11.0	7.9	24	2.5	13.6	6.6	0.8	200
225	13.1	9.1	7.4	17	1.8	14.4	5.7	0.4	225
250	11.0	8.7	7.6	9	1.3	12.4	3.4	0.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 11   MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.0	19.3	12.1	129	3.0	0.0	0.0	0.0	0
5	26.1	19.3	12.1	129	3.0	18.0	0.5	-18.0	5
10	26.1	19.3	12.0	126	3.0	48.0	2.4	-18.0	10
15	26.2	19.8	13.4	76	3.3	102.0	4.9	-14.0	15
20	26.2	20.4	13.4	60	3.0	62.0	3.5	-54.0	20
25	26.2	20.9	13.8	50	2.8	80.0	4.4	-52.0	25
30	26.3	20.8	13.9	49	2.9	30.0	3.9	-4.0	30
35	26.3	21.7	16.1	36	2.6	22.0	2.5	-2.0	35
40	26.3	22.0	15.5	30	2.6	28.0	3.5	-2.0	40
45	26.3	22.2	17.6	28	2.4	22.0	3.8	0.0	45
50	25.9	22.1	17.4	27	2.4	24.0	4.4	0.0	50
55	25.8	22.1	18.3	25	2.3	14.0	4.3	-2.0	55
60	25.8	22.0	18.2	25	2.3	12.0	2.9	0.0	60
65	25.8	21.7	17.8	25	2.5	34.0	6.4	0.0	65
70	25.8	21.2	16.4	24	2.8	42.0	9.3	0.0	70
75	25.7	21.0	15.8	23	2.7	28.0	8.0	0.0	75
80	25.7	20.6	15.2	23	2.9	28.0	8.3	0.0	80
85	25.7	20.2	13.7	23	3.0	30.0	8.4	0.0	85
90	25.7	19.8	12.7	22	3.1	20.0	8.5	0.0	90
95	25.7	19.3	12.5	20	3.1	24.0	9.2	0.0	95
100	25.7	18.9	12.1	20	3.1	36.0	9.1	0.0	100
125	23.8	17.0	11.1	17	3.4	20.4	9.1	1.2	125
150	22.3	14.8	8.9	13	4.0	13.6	8.0	4.8	150
175	21.0	13.2	7.8	12	4.3	12.8	6.6	4.4	175
200	18.3	11.9	7.1	12	3.9	10.8	5.1	0.0	200
225	16.4	10.6	6.4	11	3.6	15.2	6.5	0.0	225
250	14.5	13.0	11.6	2	2.0	7.6	7.6	7.6	250
275	11.4	11.4	11.4	1	0.0	12.4	12.4	12.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

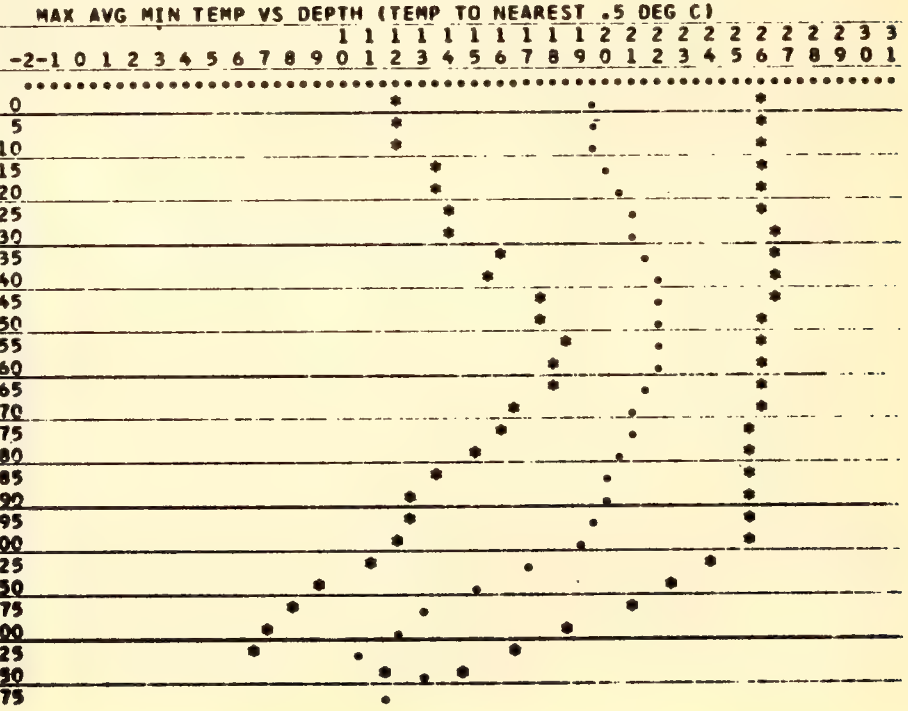
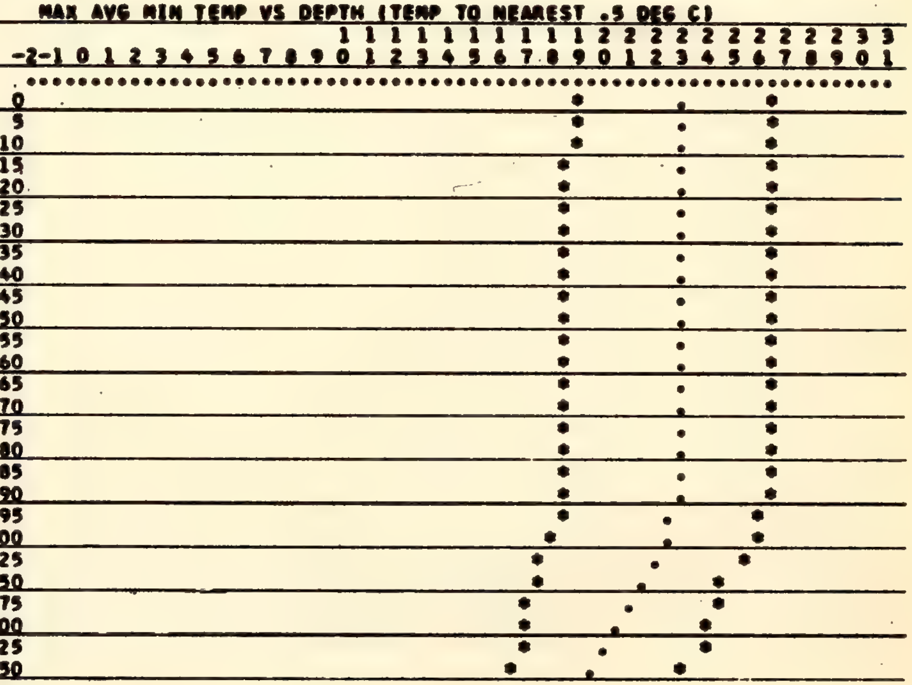


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12 MONTH

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	26.6	23.1	18.9	648	1.5	0.0	0.0	0.0	0
5	26.6	23.1	18.9	648	1.5	16.0	0.0	-6.0	5
10	26.6	23.1	18.8	648	1.5	14.0	0.1	-8.0	10
15	26.6	23.1	18.7	648	1.5	6.0	0.1	-6.0	15
20	26.5	23.1	18.6	648	1.5	10.0	0.1	-4.0	20
25	26.5	23.1	18.6	648	1.5	8.0	0.2	-2.0	25
30	26.5	23.1	18.6	648	1.5	12.0	0.2	-4.0	30
35	26.5	23.1	18.5	648	1.5	12.0	0.3	-2.0	35
40	26.5	23.1	18.5	645	1.5	12.0	0.3	-2.0	40
45	26.5	23.1	18.5	645	1.5	10.0	0.4	-2.0	45
50	26.4	23.0	18.5	641	1.5	10.0	0.3	-2.0	50
55	26.4	23.0	18.5	639	1.5	8.0	0.3	-4.0	55
60	26.4	23.0	18.5	637	1.5	6.0	0.3	-2.0	60
65	26.4	23.0	18.5	630	1.5	10.0	0.3	-2.0	65
70	26.4	23.0	18.5	629	1.5	22.0	0.5	-4.0	70
75	26.4	22.9	18.5	620	1.5	12.0	0.6	-4.0	75
80	26.4	22.9	18.5	613	1.5	16.0	0.6	-2.0	80
85	26.3	22.9	18.5	601	1.5	12.0	0.9	-4.0	85
90	26.3	22.8	18.5	585	1.5	18.0	1.1	-2.0	90
95	25.9	22.7	18.4	553	1.5	16.0	1.2	-2.0	95
100	25.9	22.6	18.2	553	1.5	20.0	1.7	-2.0	100
125	25.3	22.0	17.7	463	1.5	12.4	2.2	-0.4	125
150	24.7	21.5	17.4	348	1.7	8.0	2.7	-0.4	150
175	24.6	20.8	17.2	335	1.8	8.4	3.0	-0.4	175
200	24.2	20.5	17.0	258	1.9	8.4	2.8	0.0	200
225	23.8	20.1	16.9	212	1.8	7.6	2.9	0.4	225
250	23.0	19.7	16.3	162	1.4	7.6	3.3	0.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12 MONTH 2

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	27.2	23.2	18.3	750	1.5	0.0	0.0	0.0	0
5	27.2	23.2	18.3	750	1.5	18.0	0.4	-4.0	5
10	27.2	23.2	17.4	750	1.5	26.0	0.3	-4.0	10
15	27.2	23.2	16.3	750	1.5	22.0	0.3	-6.0	15
20	27.2	23.1	15.7	750	1.5	12.0	0.3	-4.0	20
25	27.1	23.1	14.7	747	1.5	20.0	0.4	-2.0	25
30	27.1	23.1	14.0	746	1.5	14.0	0.5	-4.0	30
35	27.1	23.1	13.8	744	1.5	10.0	0.3	-44.0	35
40	27.1	23.1	13.8	744	1.5	44.0	0.5	-2.0	40
45	27.1	23.0	13.7	744	1.5	10.0	0.6	-4.0	45
50	27.1	23.0	13.7	742	1.6	8.0	0.5	-4.0	50
55	27.1	23.0	13.6	739	1.6	12.0	0.5	-4.0	55
60	27.1	23.0	13.7	739	1.6	12.0	0.5	-6.0	60
65	27.1	22.9	13.8	726	1.6	12.0	0.6	-4.0	65
70	26.8	22.9	13.8	726	1.6	14.0	0.6	-4.0	70
75	26.8	22.9	13.8	725	1.6	14.0	0.8	-4.0	75
80	26.7	22.8	13.8	721	1.7	14.0	0.6	-4.0	80
85	26.7	22.8	13.8	715	1.7	12.0	0.9	-4.0	85
90	26.7	22.7	13.8	708	1.7	12.0	0.9	-2.0	90
95	26.1	22.6	13.8	686	1.7	14.0	1.1	-2.0	95
100	26.0	22.6	13.8	686	1.8	10.0	1.2	-4.0	100
125	25.3	22.2	14.0	629	1.9	10.0	1.4	-1.6	125
150	24.9	21.8	14.1	561	2.1	8.4	1.5	-0.4	150
175	24.4	21.3	14.3	544	2.2	10.0	2.2	-6.4	175
200	24.1	20.4	14.3	525	1.8	14.0	4.0	0.0	200
225	22.3	19.3	14.3	482	1.1	11.6	4.7	-2.0	225
250	21.6	18.7	14.3	388	0.7	10.8	3.3	0.0	250
275	18.6	18.1	17.8	10	0.2	2.0	1.1	0.4	275

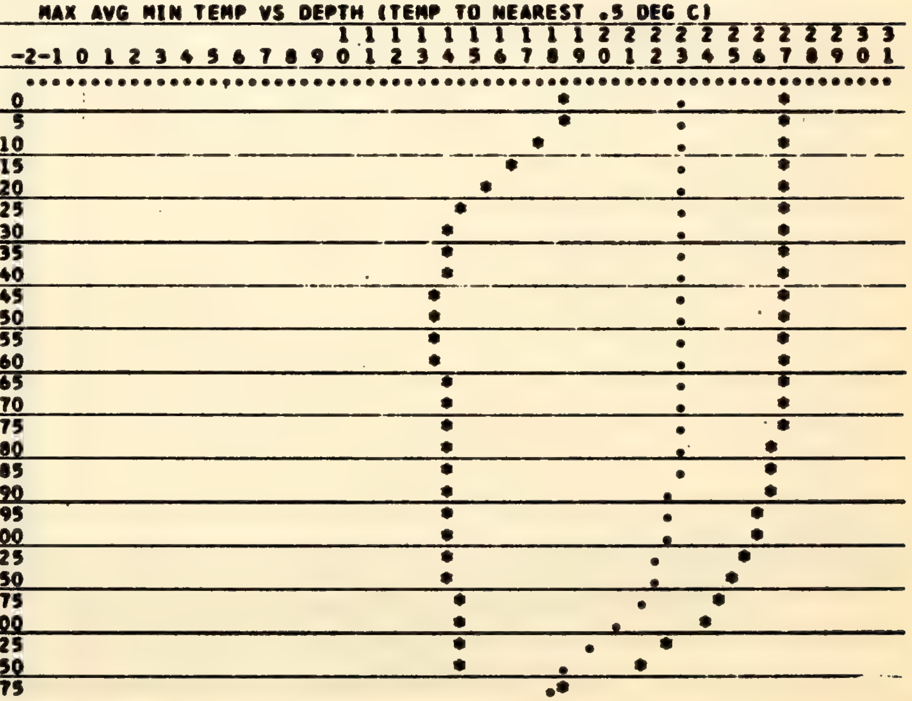


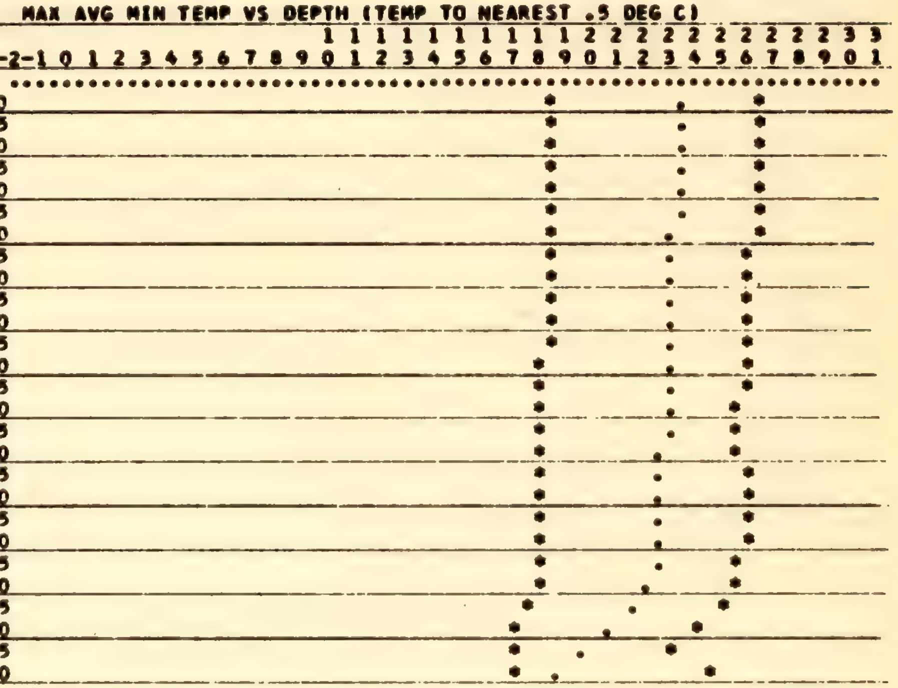
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12 MONTH 3

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	26.5	23.5	18.5	1387	1.3	0.0	0.0	0.0	0
5	26.4	23.4	18.5	1387	1.2	30.0	0.5	-10.0	5
10	26.4	23.4	18.5	1387	1.2	12.0	0.9	-6.0	10
15	26.4	23.3	18.5	1383	1.2	20.0	0.9	-2.0	15
20	26.4	23.3	18.4	1381	1.2	40.0	0.8	-2.0	20
25	26.4	23.3	18.4	1375	1.3	18.0	0.6	-54.0	25
30	26.3	23.2	18.4	1374	1.3	48.0	0.9	-2.0	30
35	26.2	23.2	18.3	1374	1.3	20.0	0.9	-6.0	35
40	26.1	23.1	18.3	1374	1.4	16.0	1.0	-4.0	40
45	26.1	23.1	18.3	1374	1.4	18.0	1.1	-4.0	45
50	26.1	23.0	18.3	1370	1.5	14.0	0.9	-2.0	50
55	25.9	23.0	18.3	1369	1.5	12.0	1.0	-4.0	55
60	25.8	22.9	18.2	1365	1.6	12.0	1.1	-2.0	60
65	25.8	22.9	18.2	1360	1.6	12.0	1.1	-2.0	65
70	25.7	22.8	18.2	1357	1.7	10.0	1.0	-4.0	70
75	25.7	22.8	18.2	1355	1.7	10.0	1.0	-2.0	75
80	25.7	22.7	18.2	1348	1.7	8.0	0.7	-6.0	80
85	25.8	22.7	18.2	1343	1.8	10.0	1.0	-4.0	85
90	25.8	22.6	17.8	1334	1.8	62.0	0.9	-4.0	90
95	25.8	22.6	18.2	1326	1.8	10.0	0.7	-52.0	95
100	25.8	22.6	18.2	1326	1.9	10.0	1.0	-4.0	100
125	25.4	22.4	18.1	1244	2.0	8.0	1.0	-0.8	125
150	25.3	22.0	17.8	1167	2.2	12.8	1.3	-0.8	150
175	25.2	21.7	17.4	1064	2.0	12.4	2.6	-1.6	175
200	24.0	20.6	17.2	1016	1.6	15.6	4.9	-0.4	200
225	22.9	19.5	17.1	941	1.1	14.8	4.8	0.0	225
250	24.7	18.7	16.8	483	0.9	11.6	2.8	-13.2	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

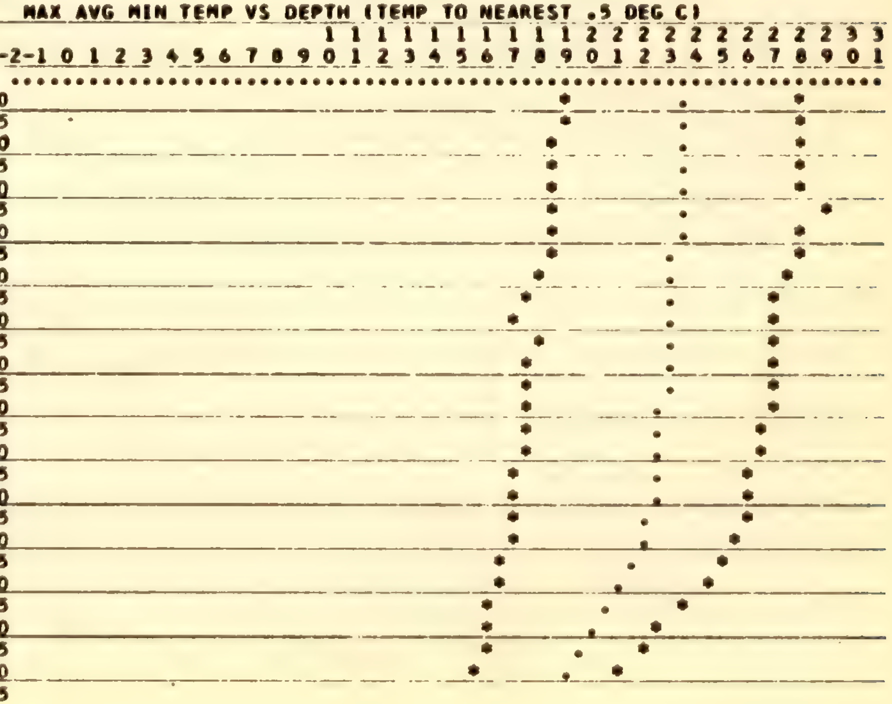


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12 MONTH 4

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	27.9	23.6	19.2	833	1.6	0.0	0.0	0.0	0
5	27.9	23.5	19.0	833	1.6	14.0	0.7	-6.0	5
10	27.9	23.5	18.7	833	1.6	14.0	0.7	-4.0	10
15	27.9	23.4	18.6	832	1.6	26.0	0.9	-4.0	15
20	27.9	23.4	18.6	832	1.6	18.0	1.1	-16.0	20
25	29.0	23.3	18.4	831	1.6	18.0	0.9	-160.0	25
30	27.9	23.3	18.4	831	1.6	162.0	1.6	-2.0	30
35	27.9	23.2	18.4	821	1.6	26.0	1.4	-12.0	35
40	27.7	23.1	18.2	816	1.6	18.0	1.6	-4.0	40
45	27.0	23.0	17.7	816	1.6	26.0	1.7	-2.0	45
50	26.9	22.9	17.2	811	1.7	12.0	1.5	-2.0	50
55	26.9	22.9	17.8	775	1.6	10.0	1.7	-4.0	55
60	26.8	22.9	17.7	773	1.6	14.0	1.8	-6.0	60
65	26.8	22.8	17.7	770	1.6	14.0	1.6	-4.0	65
70	26.8	22.7	17.6	767	1.6	14.0	2.0	-6.0	70
75	26.7	22.6	17.6	760	1.6	12.0	1.9	-2.0	75
80	26.4	22.5	17.4	750	1.6	12.0	1.5	-4.0	80
85	25.9	22.4	17.2	749	1.6	10.0	2.0	-2.0	85
90	25.8	22.3	17.2	743	1.6	60.0	1.9	-4.0	90
95	25.8	22.2	17.2	733	1.6	10.0	1.5	-54.0	95
100	25.7	22.1	17.2	733	1.6	10.0	2.0	-2.0	100
125	24.9	21.6	16.6	693	1.5	11.6	2.0	-0.4	125
150	24.3	21.0	16.5	580	1.4	7.2	2.2	0.0	150
175	23.7	20.4	16.2	530	1.2	6.8	2.4	0.0	175
200	22.7	19.8	15.9	495	1.1	6.4	2.4	0.0	200
225	22.2	19.4	15.8	422	1.0	7.6	2.2	0.0	225
250	21.1	18.9	15.7	328	0.9	8.8	2.1	0.0	250
275	11.5	11.5	11.5	1	0.0	28.8	28.8	28.8	275

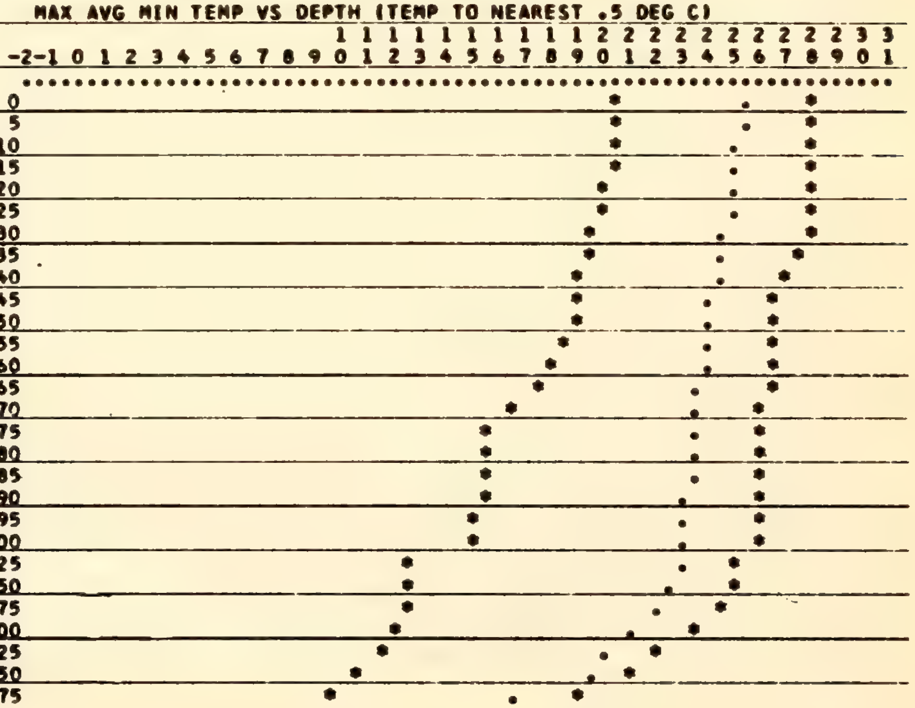
MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.1	25.3	20.4	856	1.2	0.0	0.0	0.0	0
5	28.1	25.3	20.4	856	1.2	16.0	1.2	-4.0	5
10	28.1	25.2	20.3	856	1.1	14.0	1.8	-6.0	10
15	27.9	25.1	20.3	856	1.1	30.0	2.2	-2.0	15
20	27.8	24.9	20.1	856	1.2	34.0	2.6	-2.0	20
25	27.8	24.8	19.9	854	1.2	32.0	3.0	-6.0	25
30	27.8	24.6	19.6	854	1.3	26.0	3.2	-4.0	30
35	27.4	24.5	19.3	854	1.3	24.0	2.8	-16.0	35
40	26.8	24.3	19.0	852	1.4	32.0	3.0	-4.0	40
45	26.7	24.2	18.8	847	1.4	18.0	3.4	-6.0	45
50	26.7	24.0	18.8	846	1.4	60.0	2.9	-8.0	50
55	26.7	23.9	18.6	843	1.5	16.0	2.5	-58.0	55
60	26.4	23.8	18.0	842	1.5	14.0	2.1	-12.0	60
65	26.3	23.7	17.5	832	1.6	76.0	2.3	-10.0	65
70	26.2	23.6	16.4	832	1.6	22.0	2.1	-60.0	70
75	26.2	23.5	15.7	829	1.6	14.0	2.2	-8.0	75
80	26.2	23.4	15.5	819	1.6	10.0	1.7	-4.0	80
85	26.1	23.3	15.5	815	1.7	8.0	2.1	-10.0	85
90	26.1	23.2	15.4	806	1.7	14.0	1.8	-8.0	90
95	26.0	23.2	15.1	786	1.7	10.0	1.5	-10.0	95
100	25.9	23.1	14.9	786	1.7	10.0	2.0	-8.0	100
125	25.1	22.8	12.7	711	1.8	14.0	1.6	-1.6	125
150	24.8	22.5	12.4	639	1.9	7.2	1.6	-0.4	150
175	24.3	22.0	12.4	620	1.8	10.8	2.3	0.0	175
200	23.4	21.1	11.8	599	1.5	10.8	4.0	0.0	200
225	21.9	20.1	11.3	537	1.0	9.6	4.9	0.0	225
250	21.2	19.3	10.4	488	0.7	7.2	3.6	0.0	250
275	18.9	16.5	9.4	4	4.7	4.0	1.6	0.8	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.6	26.6	17.4	707	1.1	0.0	0.0	0.0	0
5	29.1	26.6	17.5	707	1.1	22.0	1.1	-4.0	5
10	29.0	26.5	17.1	707	1.1	18.0	1.9	-2.0	10
15	28.8	26.3	15.7	707	1.2	44.0	3.2	-2.0	15
20	28.8	26.1	13.8	707	1.3	40.0	4.5	-4.0	20
25	28.8	25.8	12.2	707	1.4	40.0	5.4	-8.0	25
30	28.8	25.5	12.2	707	1.5	54.0	7.2	-26.0	30
35	28.8	25.1	12.3	705	1.6	56.0	8.1	-2.0	35
40	28.3	24.7	12.4	704	1.7	50.0	7.2	-18.0	40
45	28.2	24.4	12.3	704	1.8	30.0	6.9	-2.0	45
50	28.0	24.1	12.3	704	1.8	28.0	5.5	-2.0	50
55	27.9	23.9	18.3	696	1.8	24.0	5.0	0.0	55
60	27.8	23.6	17.9	692	1.8	20.0	4.3	-2.0	60
65	27.8	23.4	17.7	654	1.8	30.0	4.5	0.0	65
70	27.8	23.2	17.4	654	1.9	20.0	3.8	-2.0	70
75	27.7	23.0	17.2	650	1.9	14.0	3.7	0.0	75
80	27.6	22.9	17.1	648	1.9	14.0	3.1	-2.0	80
85	27.4	22.7	16.8	646	1.9	14.0	3.5	-2.0	85
90	27.3	22.5	16.8	646	1.9	16.0	3.0	-6.0	90
95	27.1	22.4	16.8	636	1.9	16.0	2.9	-2.0	95
100	26.2	22.3	16.7	636	1.9	18.0	2.8	-6.0	100
125	25.3	21.6	16.7	606	1.9	9.2	2.5	0.0	125
150	24.6	21.2	18.1	512	1.9	7.2	2.3	0.0	150
175	24.4	20.6	18.0	490	1.8	11.2	2.5	-2.0	175
200	24.0	20.0	17.5	429	1.5	10.4	2.9	0.0	200
225	22.8	19.5	16.9	262	1.1	10.8	3.3	0.0	225
250	21.3	19.1	16.4	150	0.8	9.6	2.7	0.0	250

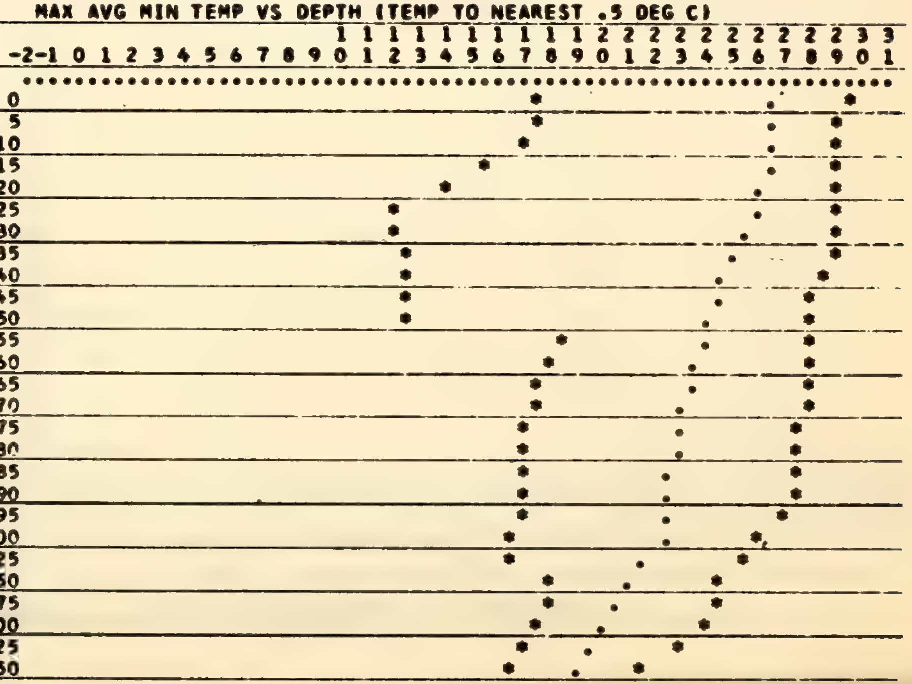
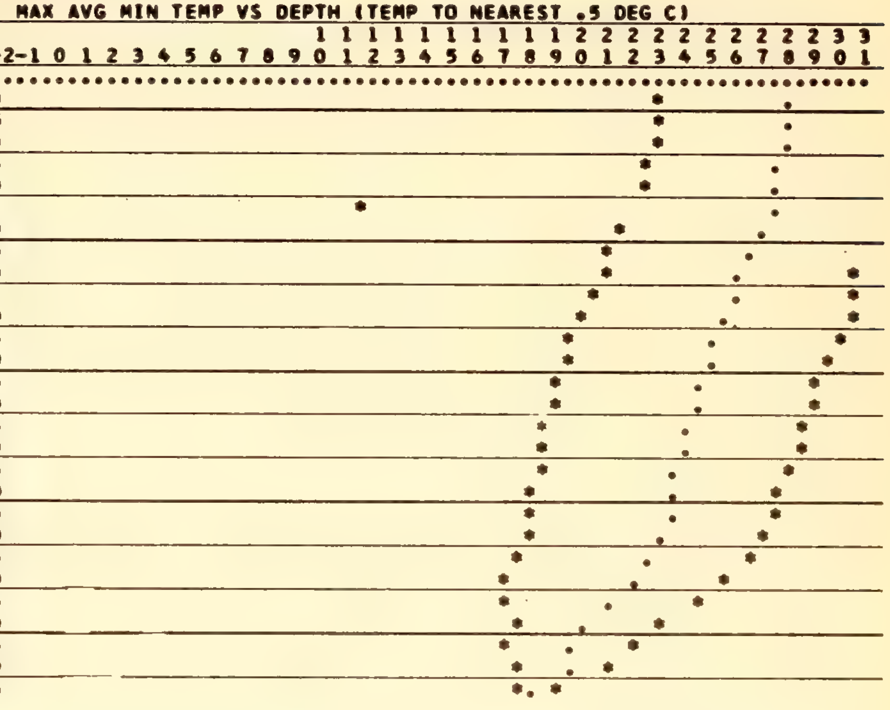


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	
0	31.6	28.2	22.9	669	1.0	0.0	0.0	0.0	0
5	31.1	28.1	22.9	662	1.0	34.0	1.0	-10.0	5
10	30.9	27.8	22.8	578	0.9	14.0	1.2	-2.0	10
15	30.8	27.7	22.7	572	0.9	16.0	1.8	-6.0	15
20	30.9	27.6	22.5	572	1.0	38.0	2.6	-2.0	20
25	30.9	27.4	11.3	572	1.4	288.0	4.8	-2.0	25
30	30.8	27.0	21.4	572	1.5	44.0	6.1	-248.0	30
35	30.8	26.6	21.2	571	1.7	102.0	8.1	-2.0	35
40	30.7	26.2	20.8	567	2.0	48.0	8.2	-102.0	40
45	30.7	25.8	20.5	561	2.1	36.0	8.2	-2.0	45
50	30.4	25.4	20.0	549	2.3	32.0	7.2	0.0	50
55	29.9	25.1	19.6	546	2.3	34.0	6.8	-98.0	55
60	29.3	24.8	19.3	543	2.3	110.0	6.3	-62.0	60
65	29.2	24.6	19.1	515	2.3	22.0	5.7	-30.0	65
70	28.9	24.4	18.9	515	2.3	28.0	4.6	0.0	70
75	28.4	24.1	18.7	515	2.3	32.0	4.5	0.0	75
80	28.4	23.9	18.4	515	2.3	12.0	3.7	0.0	80
85	28.2	23.7	18.3	515	2.3	16.0	4.1	0.0	85
90	27.5	23.6	18.2	511	2.3	20.0	3.6	-2.0	90
95	27.3	23.4	18.1	504	2.3	14.0	3.4	0.0	95
100	27.2	23.2	18.0	504	2.3	22.0	3.4	-2.0	100
125	26.5	22.4	17.6	483	2.3	17.2	3.0	0.0	125
150	25.7	21.8	17.2	446	2.2	8.4	3.0	0.4	150
175	24.4	20.9	16.9	435	1.8	8.8	3.7	0.0	175
200	22.9	20.2	17.3	386	1.4	9.2	3.5	-3.6	200
225	22.0	19.7	17.1	296	1.0	7.6	3.3	0.0	225
250	20.9	19.3	17.3	207	0.8	6.0	2.6	0.0	250
275	18.8	18.0	17.5	3	0.7	2.4	1.2	0.4	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	
0	31.4	29.2	26.1	769	0.6	0.0	0.0	0.0	0
5	31.3	29.2	26.1	769	0.6	22.0	0.7	-10.0	5
10	31.3	29.1	26.1	695	0.6	12.0	0.6	-6.0	10
15	31.5	29.0	23.5	688	0.7	52.0	0.8	-6.0	15
20	31.1	29.0	23.2	676	0.7	32.0	1.3	-4.0	20
25	31.2	28.9	22.5	667	0.8	40.0	2.0	-10.0	25
30	31.2	28.7	22.3	662	1.0	46.0	3.3	-4.0	30
35	31.2	28.5	21.9	660	1.2	46.0	4.2	-4.0	35
40	31.3	28.2	20.4	659	1.4	42.0	5.3	-4.0	40
45	31.3	27.9	19.9	657	1.6	36.0	6.9	-4.0	45
50	31.4	27.4	19.3	656	1.7	34.0	8.4	-2.0	50
55	31.4	27.0	18.9	640	1.7	50.0	9.9	-2.0	55
60	31.4	26.5	18.7	635	1.7	36.0	9.2	0.0	60
65	29.1	26.1	18.5	603	1.6	34.0	8.8	0.0	65
70	28.9	25.8	18.4	602	1.5	46.0	7.3	-2.0	70
75	28.5	25.5	18.3	601	1.5	36.0	6.3	0.0	75
80	28.1	25.2	18.0	598	1.5	22.0	5.7	0.0	80
85	27.6	24.9	17.8	597	1.5	94.0	5.1	0.0	85
90	27.2	24.7	17.7	594	1.5	14.0	3.8	-90.0	90
95	26.8	24.6	17.6	590	1.5	14.0	3.6	0.0	95
100	26.4	24.4	17.5	590	1.5	12.0	3.5	0.0	100
125	25.8	23.6	17.1	528	1.6	7.6	3.0	0.8	125
150	25.3	22.7	16.7	381	1.7	6.0	3.0	0.4	150
175	24.3	21.7	16.3	376	1.5	10.0	4.4	0.4	175
200	23.7	20.3	16.2	371	1.1	10.8	5.3	-4.0	200
225	22.8	19.3	17.3	342	0.7	10.0	4.5	0.0	225
250	20.2	18.8	17.7	217	0.5	6.0	2.6	0.0	250
275	18.9	18.7	18.4	4	0.2	3.2	1.8	0.8	275

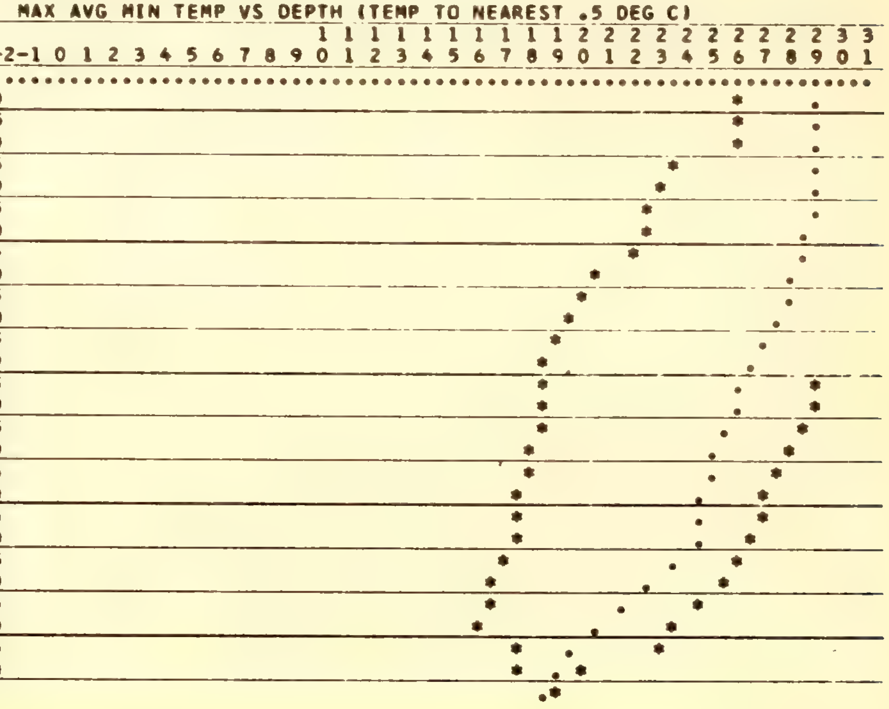


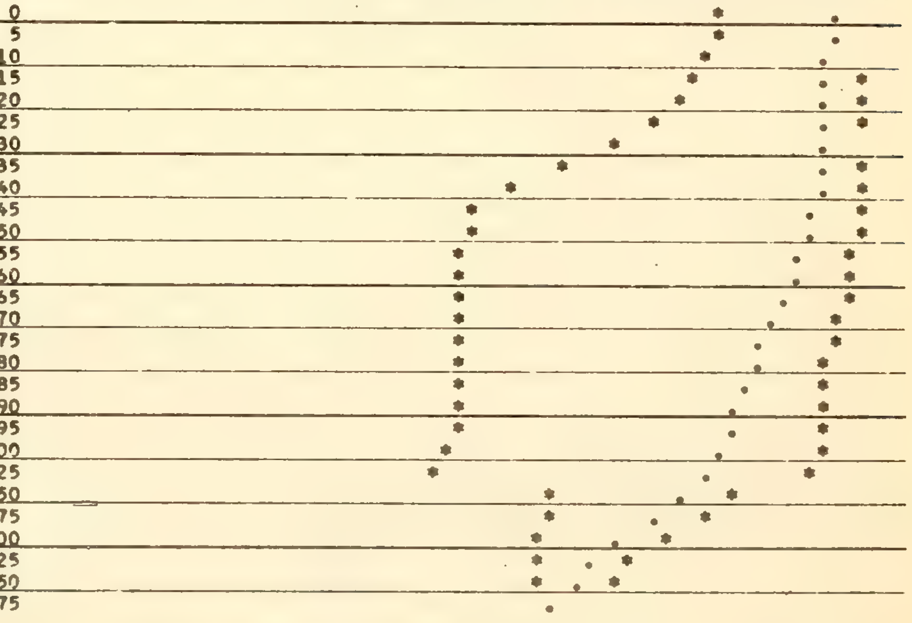
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12   MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	31.3	28.8	24.5	469	0.9	0.0	0.0	0.0	0
5	31.3	28.8	24.4	469	0.9	20.0	0.4	-10.0	5
10	31.1	28.7	23.8	457	0.9	36.0	0.6	-10.0	10
15	30.2	28.7	23.3	455	0.9	18.0	0.6	-4.0	15
20	30.2	28.6	22.9	453	0.9	12.0	0.6	-2.0	20
25	30.1	28.6	22.0	453	0.9	26.0	0.6	-4.0	25
30	30.8	28.5	20.4	450	1.0	32.0	1.0	-38.0	30
35	30.1	28.4	18.3	450	1.2	60.0	2.1	-2.0	35
40	30.1	28.3	16.5	438	1.3	60.0	3.3	-2.0	40
45	30.1	28.1	15.0	438	1.5	60.0	3.6	-4.0	45
50	29.8	27.9	14.9	435	1.6	38.0	4.2	0.0	50
55	29.6	27.6	14.6	433	1.8	44.0	5.8	-2.0	55
60	29.3	27.3	14.5	433	1.9	40.0	6.8	0.0	60
65	29.3	26.9	14.5	428	2.0	40.0	8.0	0.0	65
70	29.2	26.5	14.5	428	2.0	46.0	7.6	0.0	70
75	28.9	26.1	14.5	426	2.0	26.0	7.5	-2.0	75
80	28.7	25.8	14.5	423	2.0	18.0	6.9	0.0	80
85	28.4	25.5	14.4	423	2.0	22.0	6.3	-6.0	85
90	28.5	25.2	14.4	423	2.0	26.0	5.4	-2.0	90
95	28.5	25.0	14.4	419	2.1	20.0	5.1	0.0	95
100	28.4	24.7	14.1	419	2.1	22.0	5.0	0.0	100
125	28.2	23.9	13.7	415	2.1	14.0	3.6	0.8	125
150	25.2	23.0	18.2	331	2.0	8.0	3.3	-8.8	150
175	24.1	21.9	17.9	306	1.7	8.0	4.8	0.4	175
200	22.6	20.7	17.7	281	1.2	8.4	5.4	0.4	200
225	21.2	19.7	17.4	262	0.8	7.6	4.3	0.0	225
250	20.5	19.1	17.3	226	0.4	6.0	3.1	-2.0	250
275	18.0	17.9	17.9	3	0.0	0.4	0.3	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12   MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.3	27.5	13.4	674	1.4	0.0	0.0	0.0	0
5	30.2	27.5	13.4	674	1.4	14.0	0.4	-6.0	5
10	30.2	27.5	13.5	674	1.4	8.0	0.3	-6.0	10
15	30.1	27.5	13.5	674	1.4	18.0	0.3	-2.0	15
20	30.1	27.5	13.5	674	1.4	34.0	0.2	-2.0	20
25	30.1	27.5	13.5	674	1.4	34.0	0.3	-4.0	25
30	30.1	27.4	13.5	674	1.4	24.0	0.3	-2.0	30
35	30.1	27.4	13.5	674	1.5	26.0	0.6	-2.0	35
40	30.1	27.3	13.4	671	1.5	46.0	1.2	-4.0	40
45	30.0	27.2	13.4	671	1.6	54.0	2.2	-4.0	45
50	30.0	27.1	13.3	671	1.7	50.0	3.6	-2.0	50
55	30.0	26.8	13.2	670	1.9	48.0	5.0	-6.0	55
60	30.0	26.5	12.9	670	2.1	34.0	6.2	-4.0	60
65	30.0	26.1	12.8	668	2.3	44.0	7.5	-4.0	65
70	30.0	25.8	12.3	666	2.3	38.0	7.4	-2.0	70
75	29.1	25.4	12.2	665	2.4	44.0	8.1	-2.0	75
80	28.9	25.0	11.9	664	2.4	42.0	7.8	-12.0	80
85	28.9	24.6	11.8	664	2.4	46.0	7.7	-2.0	85
90	28.9	24.3	11.7	663	2.4	28.0	6.5	-2.0	90
95	28.8	24.0	11.6	652	2.4	32.0	6.5	-4.0	95
100	28.8	23.7	11.3	652	2.4	26.0	5.5	0.0	100
125	27.9	22.4	10.6	620	2.2	28.4	5.2	1.2	125
150	27.4	21.4	9.4	583	2.0	16.0	4.1	0.4	150
175	26.4	20.5	16.9	568	1.7	10.0	3.7	0.4	175
200	25.2	19.7	16.3	548	1.3	10.0	3.5	0.0	200
225	22.7	19.0	14.8	470	1.0	10.0	2.8	0.0	225
250	20.9	18.5	15.4	328	0.8	8.4	2.2	0.0	250
275	19.1	18.4	17.6	54	0.2	2.8	1.6	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

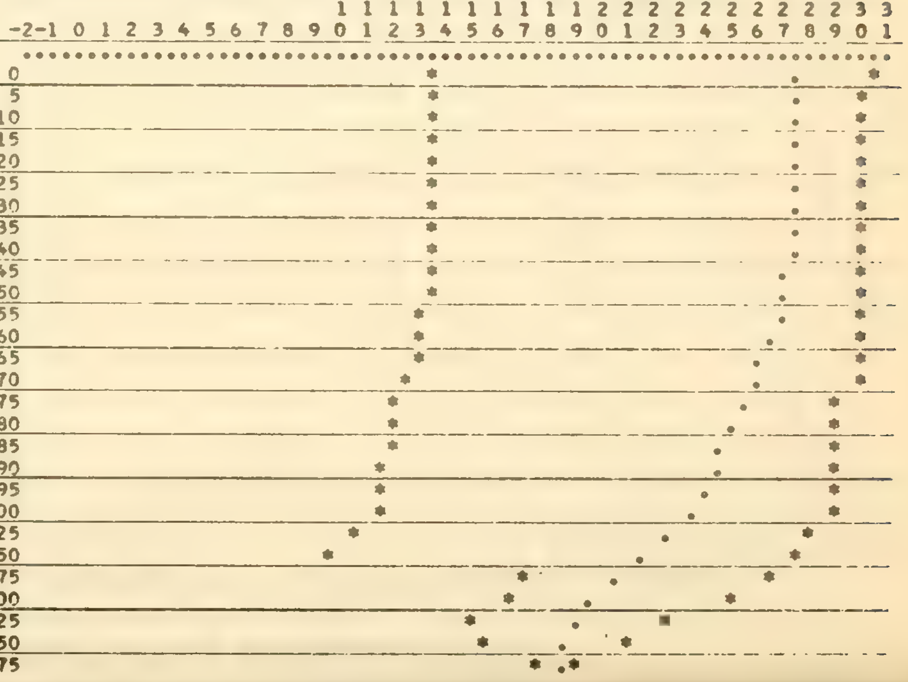


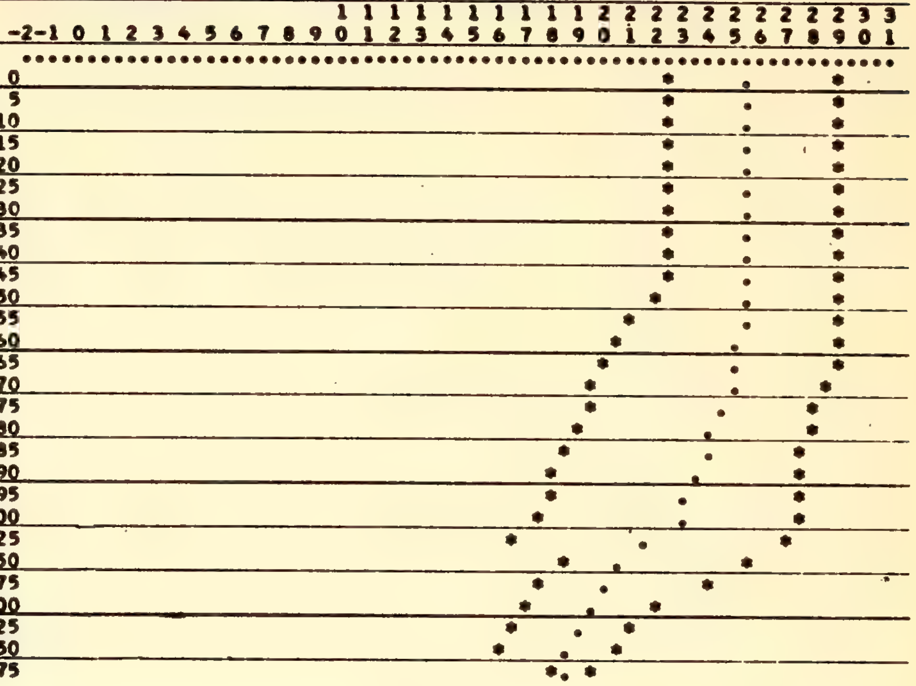
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12 MONTH 11

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	29.1	25.7	22.7	543	1.4	0.0	0.0	0.0	0
5	29.2	25.7	22.7	543	1.4	10.0	0.2	-6.0	5
10	29.2	25.7	22.7	543	1.4	8.0	0.1	-4.0	10
15	29.2	25.6	22.7	543	1.4	6.0	0.1	-4.0	15
20	29.2	25.6	22.6	543	1.4	10.0	0.1	-2.0	20
25	29.2	25.6	22.6	543	1.4	12.0	0.1	-2.0	25
30	29.2	25.6	22.5	543	1.4	6.0	0.3	-2.0	30
35	29.2	25.6	22.5	543	1.4	14.0	0.2	-4.0	35
40	29.2	25.6	22.4	542	1.4	16.0	0.3	-4.0	40
45	29.2	25.5	22.3	539	1.4	18.0	0.7	-2.0	45
50	29.2	25.5	22.1	538	1.4	52.0	1.3	-2.0	50
55	29.2	25.4	21.2	538	1.4	42.0	2.1	-2.0	55
60	29.2	25.2	20.6	537	1.4	32.0	2.8	-2.0	60
65	29.0	25.0	20.1	532	1.5	38.0	4.2	-2.0	65
70	28.6	24.8	19.6	532	1.5	34.0	5.2	-2.0	70
75	28.2	24.5	19.3	532	1.5	40.0	5.7	-2.0	75
80	28.1	24.2	18.9	531	1.5	38.0	6.0	-2.0	80
85	27.4	23.8	18.4	531	1.6	38.0	6.8	-2.0	85
90	27.4	23.5	18.2	529	1.6	40.0	6.5	0.0	90
95	27.4	23.2	18.0	521	1.6	28.0	7.0	-2.0	95
100	27.4	22.9	17.7	521	1.6	34.0	6.1	-2.0	100
125	26.9	21.6	16.7	500	1.6	12.8	5.1	0.0	125
150	25.6	20.7	18.3	445	1.4	12.0	3.6	0.4	150
175	23.8	19.9	17.6	435	1.2	10.0	3.1	0.4	175
200	22.2	19.3	17.1	417	0.9	8.0	2.5	-0.4	200
225	21.0	18.9	16.6	387	0.7	7.2	1.8	-5.2	225
250	20.4	18.6	16.1	265	0.5	6.4	1.5	0.0	250
275	19.3	18.7	18.2	7	0.3	3.2	2.3	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12 MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	28.3	24.4	21.1	194	1.3	0.0	0.0	0.0	0
5	28.3	24.4	21.1	194	1.3	6.0	0.1	-4.0	5
10	28.3	24.4	21.1	194	1.3	4.0	0.0	-4.0	10
15	28.3	24.4	21.1	194	1.3	8.0	0.1	-2.0	15
20	28.3	24.4	21.1	194	1.3	2.0	-0.0	-2.0	20
25	28.2	24.4	21.1	194	1.3	4.0	0.1	-4.0	25
30	28.2	24.4	21.1	192	1.3	6.0	0.2	-2.0	30
35	28.2	24.4	21.1	192	1.3	8.0	0.2	-2.0	35
40	28.2	24.4	21.1	192	1.3	12.0	0.3	-2.0	40
45	28.2	24.3	21.1	191	1.3	4.0	0.3	-2.0	45
50	28.2	24.3	21.1	190	1.3	6.0	0.3	-2.0	50
55	28.1	24.3	21.1	190	1.3	6.0	0.2	-2.0	55
60	28.0	24.3	21.1	190	1.3	10.0	0.5	-2.0	60
65	27.9	24.2	21.1	190	1.3	14.0	0.7	-2.0	65
70	27.9	24.1	18.3	190	1.4	108.0	2.1	-2.0	70
75	27.9	24.1	21.1	190	1.3	24.0	1.3	-106.0	75
80	27.8	24.0	21.1	190	1.3	30.0	2.3	0.0	80
85	27.5	23.8	21.0	189	1.4	24.0	3.3	0.0	85
90	26.8	23.6	20.7	189	1.5	34.0	4.3	-2.0	90
95	26.6	23.3	20.3	188	1.5	36.0	4.9	-2.0	95
100	26.1	23.1	20.0	188	1.6	28.0	5.3	0.0	100
125	26.0	21.9	19.0	181	1.7	10.8	4.8	-1.2	125
150	25.4	21.0	18.5	173	1.7	9.2	3.8	0.0	150
175	24.6	20.1	17.8	170	1.4	7.2	3.2	0.4	175
200	23.2	19.4	15.2	164	1.1	14.8	2.8	0.0	200
225	22.2	19.0	17.3	140	0.9	6.0	2.0	-12.4	225
250	20.7	18.7	18.0	86	0.7	6.8	1.8	0.0	250
275	18.2	18.2	18.2	3	0.0	0.8	0.3	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

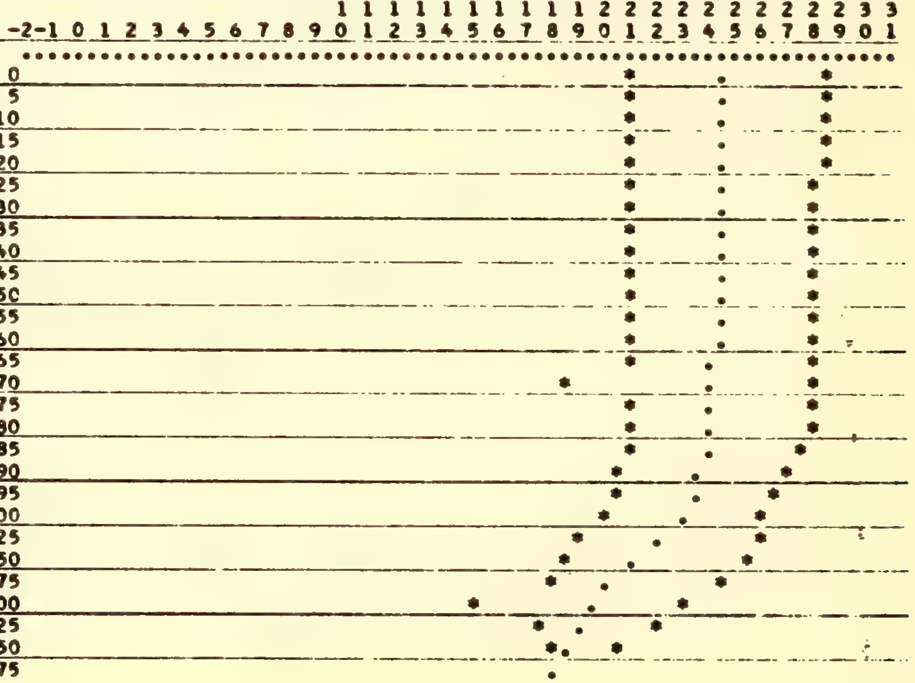


Table VI-1.—Continued

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                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 12A   MONTH  1
                                                              MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                     1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                     GRADIENT          -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN   NUM  SDEV     MAX   AVG   MIN       ...................................................................
     0 24.7  23.4  21.4   40   0.6     0.0   0.0   0.0    0                                                 *   . *
     5 24.7  23.4  21.5   40   0.6     4.0   0.0  -2.0    5                                                 *   . *
    10 24.7  23.4  21.5   40   0.6     2.0   0.1  -2.0   10                                                 *   . *
    15 24.7  23.4  21.5   40   0.6     2.0  -0.0  -2.0   15                                                 *   . *
    20 24.7  23.4  21.5   40   0.6     2.0  -0.0  -2.0   20                                                 *   . *
    25 24.7  23.4  21.5   40   0.6     0.0  -0.2  -2.0   25                                                 *   . *
    30 24.7  23.4  21.6   40   0.6     2.0  -0.2  -4.0   30                                                 *   . *
    35 24.7  23.4  21.6   40   0.6     2.0   0.0  -2.0   35                                                 *   . *
    40 24.7  23.4  21.6   40   0.5     4.0   0.2  -2.0   40                                                 *   . *
    45 24.7  23.4  21.6   40   0.5     6.0   0.4   0.0   45                                                 *   . *
    50 24.7  23.4  21.6   40   0.5     2.0   0.2   0.0   50                                                 *   . *
    55 24.7  23.3  21.6   40   0.6     4.0   0.4  -2.0   55                                                 *   . *
    60 24.7  23.3  21.6   40   0.5     2.0   0.1  -2.0   60                                                 *   . *
    65 24.7  23.3  21.6   40   0.5     4.0   0.4  -2.0   65                                                 *   . *
    70 24.7  23.3  21.6   40   0.5     2.0   0.5  -2.0   70                                                 *   . *
    75 24.7  23.3  22.1   39   0.5     2.0   0.3  -2.0   75                                                  *  . *
    80 24.6  23.3  22.1   39   0.5     2.0   0.5  -2.0   80                                                  *  . *
    85 24.6  23.2  22.1   39   0.5     4.0   0.8  -2.0   85                                                  * .  *
    90 24.5  23.2  22.1   39   0.5     4.0   0.8   0.0   90                                                  * .  *
    95 23.8  23.1  22.1   37   0.4     4.0   0.5   0.0   95                                                  * . *
   100 23.8  23.1  22.1   37   0.4     2.0   0.5   0.0  100                                                  * . *
   125 23.4  22.8  21.0   36   0.5     4.8   1.4   0.0  125                                                *   .*
   150 23.1  22.2  20.1   34   0.5     4.4   2.5   0.0  150                                              *   . *
   175 22.6  21.3  19.6   34   0.5     7.2   3.5   0.4  175                                             *   . *
   200 21.7  20.5  19.8   33   0.5     5.6   3.5   2.0  200                                              *. *
   225 20.8  19.8  19.2   32   0.4     4.8   2.8   1.6  225                                            * . *
   250 20.2  19.3  18.8   26   0.3     2.8   1.9   1.2  250                                            *.*
   275 19.6  19.4  19.2    2   0.2     2.0   1.6   1.2  275                                            *.
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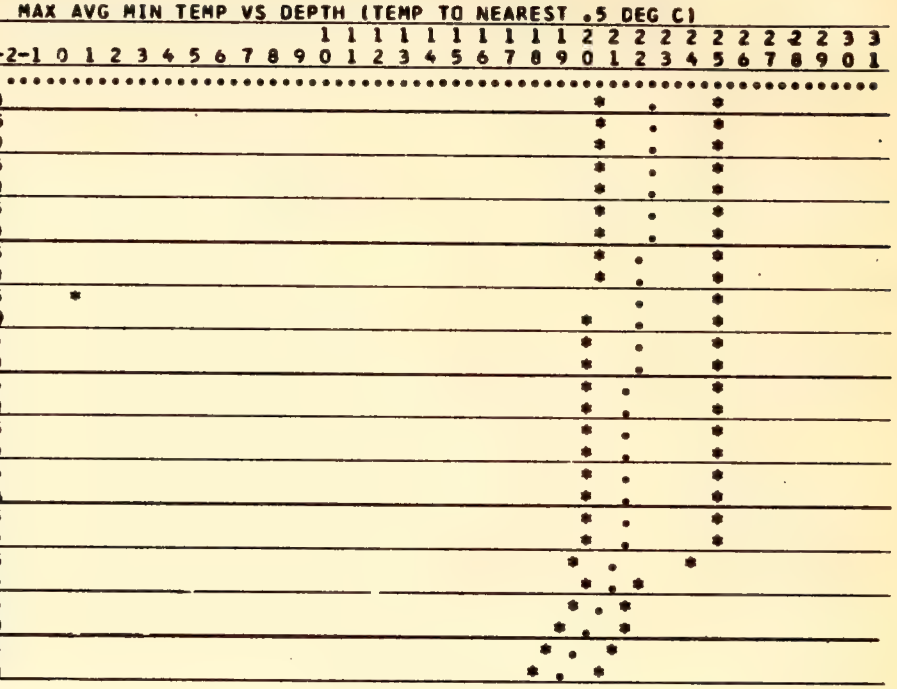
                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 12A   MONTH  2
                                                              MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                     1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                     GRADIENT          -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN   NUM  SDEV     MAX   AVG   MIN       ...................................................................
     0 25.3  22.5  20.8   89   0.8     0.0   0.0   0.0    0                                                *  .     *
     5 25.3  22.5  20.9   89   0.8     4.0  -0.1  -4.0    5                                                *  .     *
    10 25.4  22.5  20.9   89   0.8     8.0   0.2  -2.0   10                                                *  .     *
    15 25.4  22.5  21.0   89   0.8     8.0   0.4  -2.0   15                                                *  .     *
    20 25.2  22.5  21.1   89   0.8     6.0   0.4  -2.0   20                                                *  .    *
    25 24.9  22.4  21.1   89   0.8     6.0   0.4  -2.0   25                                                *  .    *
    30 24.6  22.4  21.1   89   0.8    10.0   0.7  -2.0   30                                                *  .   *
    35 24.6  22.4  21.1   89   0.8    10.0   0.7  -2.0   35                                                *  .   *
    40 24.6  22.3  21.1   89   0.8    14.0   0.8  -2.0   40                                                *  .   *
    45 24.6  22.3  21.0   88   0.8     8.0   0.8   0.0   45                                                *  .   *
    50 24.6  22.2  20.9   88   0.8     8.0   0.8  -2.0   50                                                * .    *
    55 24.6  22.2  20.9   87   0.8     6.0   0.9  -2.0   55                                                * .    *
    60 24.6  22.1  20.9   87   0.8     8.0   1.3  -2.0   60                                                * .    *
    65 24.6  22.1  20.8   87   0.8    12.0   1.2   0.0   65                                                * .    *
    70 24.6  22.0  20.8   87   0.8     6.0   1.1   0.0   70                                                * .    *
    75 24.6  22.0  20.8   87   0.8     6.0   1.0   0.0   75                                                * .    *
    80 24.6  21.9  20.7   85   0.7    10.0   0.6  -2.0   80                                               *  .    *
    85 24.6  21.9  20.7   84   0.7     6.0   0.6  -2.0   85                                               *  .    *
    90 24.2  21.8  20.7   82   0.7     8.0   0.8  -2.0   90                                               *  .   *
    95 23.7  21.8  20.7   82   0.7    10.0   0.9  -2.0   95                                               *  .  *
   100 23.6  21.8  20.7   82   0.7     8.0   0.8  -2.0  100                                               *  .  *
   125 23.2  21.6  20.6   72   0.6     3.6   0.5  -0.4  125                                               * .  *
   150 22.9  21.4  20.0   64   0.6     3.6   0.6  -0.4  150                                              *  .  *
   175 22.8  21.0  19.3   63   0.9     6.8   1.4  -0.4  175                                             *  .   *
   200 22.4  20.7  18.5   60   1.1     5.2   1.5  -0.4  200                                           *   .   *
   225 21.9  20.3  18.0   52   1.2     4.8   1.8  -0.4  225                                          *    .  *
   250 21.7  19.9  18.1   29   1.1     4.0   1.8   0.4  250                                          *   .  *
```

Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12A MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.2	22.6	20.6	107	0.9	0.0	0.0	0.0	0
5	25.1	22.6	20.4	107	0.9	4.0	0.5	-4.0	5
10	25.1	22.6	20.3	107	0.9	10.0	0.7	-2.0	10
15	25.1	22.5	20.3	107	0.9	14.0	1.4	-2.0	15
20	25.1	22.4	20.3	107	0.9	12.0	1.6	-2.0	20
25	25.1	22.4	20.3	107	0.9	12.0	1.6	-2.0	25
30	25.1	22.3	20.3	107	1.0	12.0	2.1	-4.0	30
35	25.1	22.2	20.3	106	1.0	12.0	1.5	-2.0	35
40	25.1	22.1	20.3	106	1.0	10.0	1.8	0.0	40
45	25.1	21.8	0.3	106	2.3	10.0	5.5	0.0	45
50	25.1	21.9	20.2	106	1.0	10.0	-2.5	0.0	50
55	25.1	21.9	20.2	106	1.0	8.0	1.4	-2.0	55
60	25.1	21.8	20.2	106	0.9	12.0	1.3	-2.0	60
65	25.1	21.7	20.2	106	0.9	8.0	1.2	0.0	65
70	25.1	21.7	20.1	106	0.9	8.0	1.1	0.0	70
75	25.1	21.6	20.1	106	0.9	6.0	1.1	0.0	75
80	25.1	21.6	20.1	106	0.9	8.0	0.9	-2.0	80
85	25.1	21.5	20.1	105	0.9	6.0	1.1	-2.0	85
90	25.1	21.5	20.1	105	0.9	6.0	0.9	-2.0	90
95	25.0	21.5	20.1	102	0.9	10.0	0.7	-2.0	95
100	24.8	21.4	20.1	102	0.8	6.0	0.9	-4.0	100
125	24.2	21.2	19.7	95	0.7	5.6	0.7	-0.8	125
150	22.2	20.9	20.1	69	0.5	4.8	0.7	-0.8	150
175	21.7	20.5	19.5	68	0.6	5.2	1.3	-0.4	175
200	21.4	20.1	18.9	67	0.7	4.4	1.8	0.0	200
225	21.1	19.7	18.6	49	0.8	3.2	1.7	0.4	225
250	20.6	19.0	18.2	29	0.7	4.0	2.1	0.4	250


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12A MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.7	22.9	19.6	183	0.9	0.0	0.0	0.0	0
5	25.6	22.9	19.5	183	0.9	18.0	0.8	-4.0	5
10	25.3	22.9	19.5	183	0.9	6.0	0.6	-2.0	10
15	25.1	22.8	19.5	183	0.9	6.0	0.5	-2.0	15
20	25.1	22.8	19.5	183	0.9	8.0	0.6	-2.0	20
25	25.1	22.8	19.5	183	0.9	8.0	0.5	-2.0	25
30	25.0	22.7	19.5	183	0.9	16.0	0.7	-2.0	30
35	24.9	22.7	19.4	183	0.9	12.0	0.7	-6.0	35
40	24.8	22.7	19.3	183	0.9	18.0	1.0	-2.0	40
45	24.8	22.6	19.0	183	1.0	8.0	0.9	-2.0	45
50	24.8	22.6	19.0	182	1.0	8.0	0.5	-2.0	50
55	24.8	22.6	18.9	182	1.0	8.0	0.8	-2.0	55
60	24.8	22.5	18.9	182	1.0	14.0	1.1	-2.0	60
65	24.8	22.4	18.9	182	1.0	6.0	1.2	-2.0	65
70	24.7	22.4	18.9	182	1.0	10.0	1.6	0.0	70
75	24.7	22.3	18.7	182	1.0	10.0	1.8	0.0	75
80	24.5	22.2	18.6	182	1.0	10.0	1.6	0.0	80
85	24.5	22.1	18.5	180	0.9	12.0	2.0	0.0	85
90	24.5	22.0	18.5	180	0.9	10.0	2.0	-2.0	90
95	24.4	21.9	18.3	179	0.9	12.0	2.0	-2.0	95
100	24.1	21.7	18.2	179	0.9	12.0	2.8	-2.0	100
125	23.8	21.2	17.8	172	0.8	5.2	1.9	0.0	125
150	23.1	20.8	17.7	158	0.8	5.6	1.8	0.0	150
175	23.0	20.2	17.3	131	0.8	8.8	2.1	0.0	175
200	22.5	19.7	17.2	118	0.8	4.4	2.2	0.0	200
225	21.5	19.1	16.5	115	0.8	5.6	2.3	0.0	225
250	20.6	18.6	16.7	110	0.6	5.6	2.0	0.0	250
275	18.3	18.3	18.3	1	0.0	0.8	0.8	0.8	275

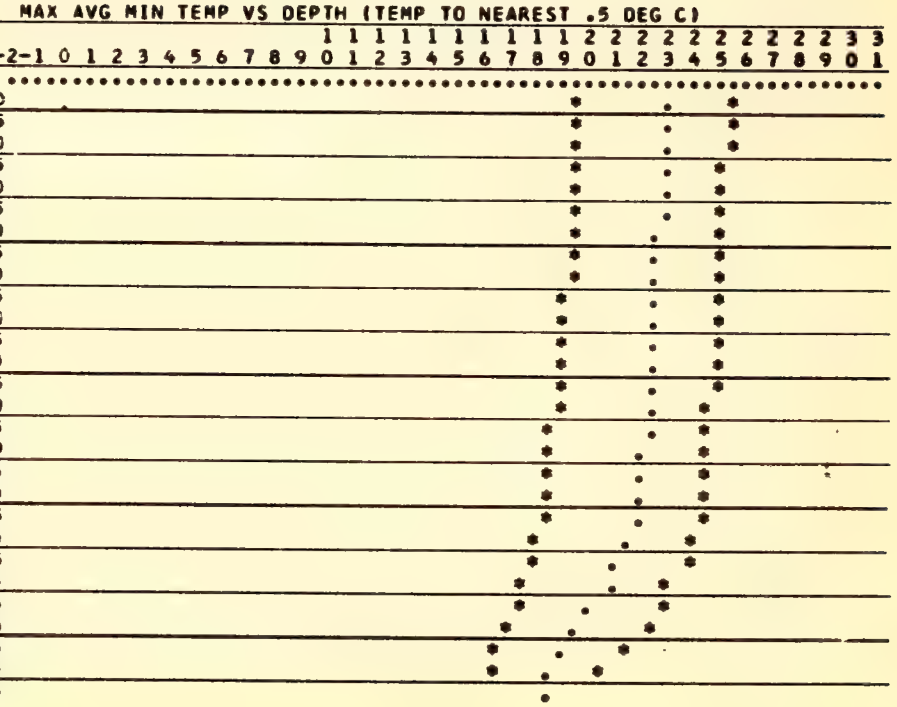

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

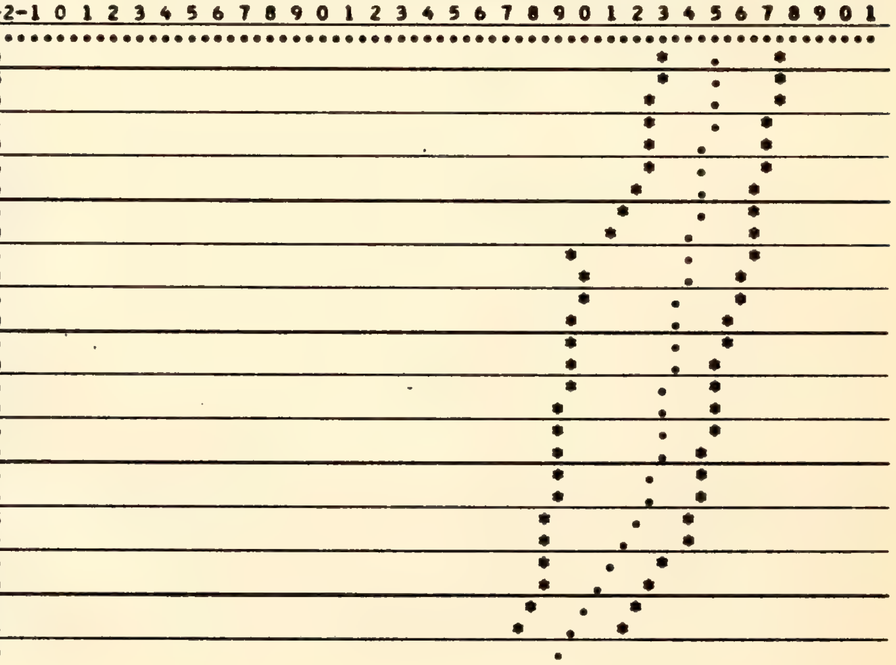
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FRCM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12A MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.3	25.1	22.8	196	1.0	0.0	0.0	0.0	0
5	27.3	25.0	22.8	196	1.0	18.0	2.2	-4.0	5
10	27.3	24.9	22.7	196	1.0	14.0	1.9	-2.0	10
15	27.2	24.8	22.7	196	1.0	14.0	2.0	-2.0	15
20	27.1	24.7	22.7	196	1.0	22.0	2.1	-2.0	20
25	27.0	24.6	22.7	196	1.0	20.0	2.3	0.0	25
30	26.7	24.4	22.1	196	1.0	18.0	3.3	-2.0	30
35	26.7	24.3	21.4	196	1.0	18.0	3.1	-2.0	35
40	26.7	24.1	20.9	196	1.0	42.0	3.3	-4.0	40
45	26.4	23.9	19.3	195	1.1	40.0	3.4	-6.0	45
50	26.1	23.8	19.9	193	1.0	20.0	2.4	-78.0	50
55	25.8	23.7	19.8	190	1.1	14.0	2.8	0.0	55
60	25.6	23.6	19.6	187	1.1	10.0	2.5	-2.0	60
65	25.4	23.5	19.4	187	1.0	12.0	2.8	-2.0	65
70	25.1	23.3	19.4	187	1.0	12.0	3.2	-2.0	70
75	25.0	23.2	19.3	186	1.0	12.0	2.4	-2.0	75
80	24.9	23.1	19.1	186	1.0	10.0	2.0	-2.0	80
85	24.9	23.0	18.9	185	1.0	14.0	2.9	-2.0	85
90	24.7	22.8	18.9	185	1.0	10.0	2.2	-4.0	90
95	24.6	22.7	18.9	183	0.9	16.0	2.2	-4.0	95
100	24.6	22.6	18.8	183	1.0	22.0	2.5	-6.0	100
125	24.2	22.2	18.7	166	0.9	9.2	2.0	-0.4	125
150	23.8	21.7	18.5	126	0.9	4.4	1.9	0.0	150
175	22.9	21.2	18.3	121	0.9	4.4	2.1	0.4	175
200	22.4	20.6	18.3	118	0.8	4.4	2.2	0.0	200
225	22.0	20.1	18.1	111	0.7	4.4	2.4	0.4	225
250	21.6	19.5	17.3	92	0.7	4.0	2.2	0.4	250
275	18.9	18.9	18.9	1	0.0	3.2	3.2	3.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12A MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.2	26.3	23.3	85	0.8	0.0	0.0	0.0	0
5	28.2	26.2	23.3	85	0.8	24.0	1.9	-6.0	5
10	27.9	26.1	23.3	85	0.8	22.0	1.9	-8.0	10
15	27.8	26.0	23.3	85	0.8	20.0	2.3	-4.0	15
20	27.8	25.9	23.3	85	0.7	16.0	2.8	-4.0	20
25	27.4	25.7	23.1	85	0.8	14.0	3.1	0.0	25
30	27.3	25.5	22.9	85	0.8	16.0	4.2	0.0	30
35	27.3	25.3	22.7	85	0.8	12.0	3.4	-4.0	35
40	27.2	25.1	22.3	85	0.9	14.0	4.2	0.0	40
45	26.9	24.9	22.0	85	0.9	16.0	4.6	-2.0	45
50	26.4	24.7	21.4	85	0.9	12.0	4.3	0.0	50
55	26.2	24.5	20.9	85	0.9	16.0	4.8	0.0	55
60	26.1	24.2	20.5	84	1.0	14.0	4.7	0.0	60
65	25.9	24.1	20.2	70	1.1	12.0	4.4	0.0	65
70	25.8	23.9	19.8	70	1.2	20.0	4.2	0.0	70
75	25.6	23.7	19.7	70	1.2	10.0	3.9	0.0	75
80	25.6	23.6	19.7	70	1.2	10.0	3.5	0.0	80
85	25.5	23.3	19.5	70	1.2	12.0	4.1	0.0	85
90	25.4	23.2	19.3	70	1.2	14.0	3.9	0.0	90
95	25.4	23.0	19.2	70	1.2	14.0	3.6	0.0	95
100	25.4	22.8	19.1	70	1.2	14.0	3.6	0.0	100
125	24.4	22.0	18.7	70	1.1	6.8	3.1	1.2	125
150	23.6	21.5	18.4	66	1.0	6.0	2.4	0.4	150
175	22.8	21.0	18.1	62	0.9	4.8	2.0	0.4	175
200	21.9	20.6	17.8	59	0.9	4.0	1.6	0.4	200
225	21.7	20.5	18.6	51	0.7	2.8	1.4	0.4	225
250	21.3	20.4	18.2	38	0.6	3.2	1.5	0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

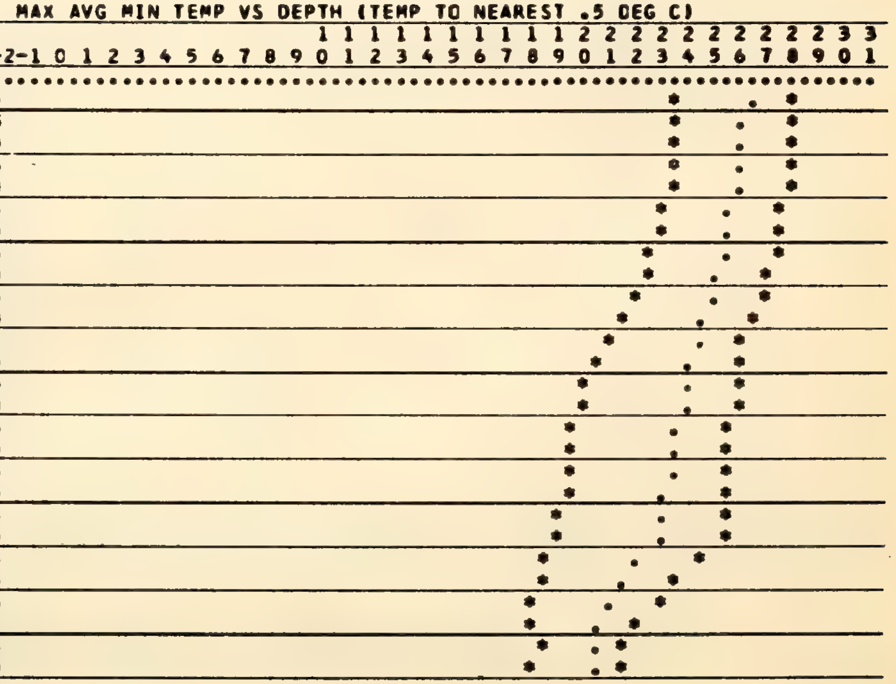


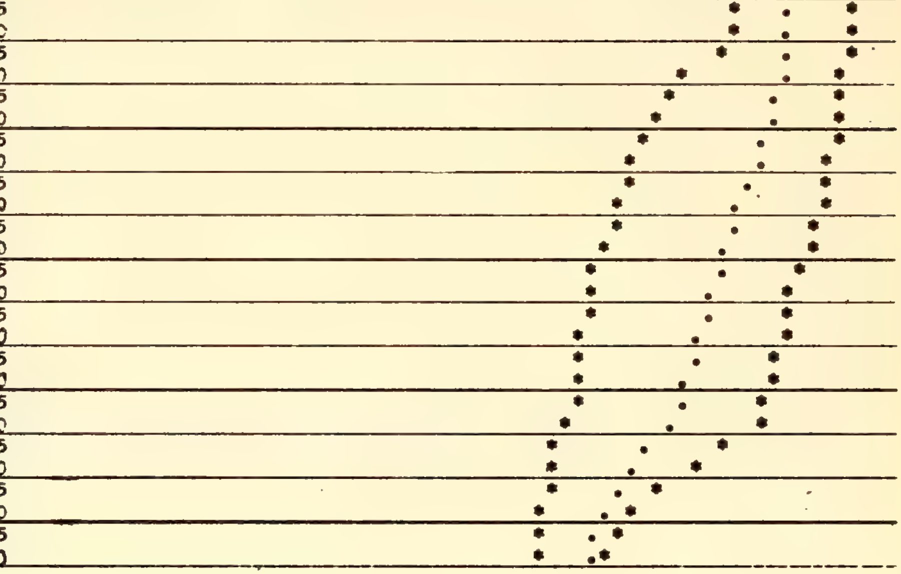
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12A MONTH 7

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	30.6	27.8	25.4	66	1.1	0.0	0.0	0.0	0
5	30.2	27.7	25.4	66	1.1	10.0	1.0	-4.0	5
10	29.9	27.7	25.3	66	1.0	8.0	1.3	-4.0	10
15	29.8	27.5	25.2	66	1.0	28.0	2.1	-8.0	15
20	29.6	27.4	23.3	66	1.1	42.0	3.4	-6.0	20
25	29.4	27.2	23.0	66	1.1	34.0	3.6	-4.0	25
30	29.4	27.0	22.7	66	1.3	26.0	3.7	-4.0	30
35	29.3	26.7	22.1	66	1.3	22.0	5.3	-2.0	35
40	29.1	26.4	21.7	66	1.4	20.0	6.1	-2.0	40
45	28.9	26.1	21.4	66	1.4	24.0	7.0	0.0	45
50	28.9	25.7	21.1	66	1.5	18.0	6.8	0.0	50
55	28.7	25.4	20.8	66	1.6	16.0	6.1	0.0	55
60	28.4	25.2	20.4	66	1.6	18.0	5.7	0.0	60
65	27.9	24.9	20.2	65	1.5	16.0	6.6	2.0	65
70	27.7	24.6	20.0	65	1.5	12.0	6.3	0.0	70
75	27.6	24.3	19.8	64	1.4	24.0	6.1	2.0	75
80	27.4	24.1	19.7	64	1.4	14.0	4.9	0.0	80
85	27.2	23.8	19.6	64	1.4	12.0	5.7	2.0	85
90	27.1	23.6	19.5	64	1.4	12.0	4.7	0.0	90
95	26.7	23.3	19.3	64	1.4	14.0	5.6	0.0	95
100	26.6	23.1	19.2	64	1.4	16.0	4.3	0.0	100
125	24.8	22.1	18.7	64	1.2	10.0	3.8	1.2	125
150	23.9	21.6	18.4	56	1.1	8.0	2.9	0.8	150
175	22.6	21.0	18.3	55	0.9	6.4	2.5	0.4	175
200	21.3	20.4	18.2	42	0.8	5.6	1.9	0.4	200
225	21.1	20.2	18.1	39	0.8	3.2	1.5	0.0	225
250	20.7	19.9	18.2	36	0.7	2.8	1.6	0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12A MONTH 8

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	30.4	28.8	23.0	52	1.0	0.0	0.0	0.0	0
5	30.4	28.8	27.6	52	0.6	18.0	-0.8	-134.0	5
10	30.3	28.7	27.5	52	0.6	10.0	1.8	0.0	10
15	30.2	28.7	27.5	52	0.6	8.0	1.3	-2.0	15
20	30.0	28.6	27.4	52	0.6	10.0	1.5	0.0	20
25	30.0	28.5	27.1	52	0.6	16.0	1.5	0.0	25
30	29.9	28.4	26.1	52	0.6	20.0	1.9	-4.0	30
35	29.7	28.2	25.7	52	0.6	18.0	3.6	-4.0	35
40	29.3	28.0	25.3	52	0.6	22.0	4.8	0.0	40
45	29.0	27.7	25.1	52	0.7	28.0	6.6	0.0	45
50	28.8	27.2	24.7	52	0.9	42.0	8.7	0.0	50
55	28.6	26.8	24.0	52	1.0	22.0	8.8	0.0	55
60	28.5	26.4	23.2	52	1.2	18.0	7.7	0.0	60
65	28.3	26.0	22.7	52	1.2	18.0	7.3	2.0	65
70	27.7	25.7	22.3	52	1.3	14.0	7.0	0.0	70
75	27.4	25.4	21.8	51	1.3	12.0	6.4	2.0	75
80	27.1	25.0	21.3	51	1.3	18.0	7.0	0.0	80
85	26.9	24.7	20.9	51	1.3	16.0	7.1	2.0	85
90	26.6	24.4	20.6	51	1.3	18.0	6.7	0.0	90
95	26.3	24.1	18.8	51	1.4	54.0	5.6	0.0	95
100	26.2	23.8	17.4	51	1.5	28.0	5.8	0.0	100
125	25.3	22.9	19.6	48	1.2	7.2	4.4	2.0	125
150	24.5	22.2	19.8	42	1.0	5.6	3.4	2.0	150
175	23.9	21.4	19.1	42	1.0	4.8	3.3	2.0	175
200	22.9	20.7	18.9	41	0.8	4.4	2.9	0.8	200
225	22.1	20.0	18.7	41	0.8	4.0	2.7	0.8	225
250	21.5	19.4	18.4	39	0.7	4.0	2.4	0.8	250
275	18.8	18.4	18.1	7	0.3	2.0	1.4	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

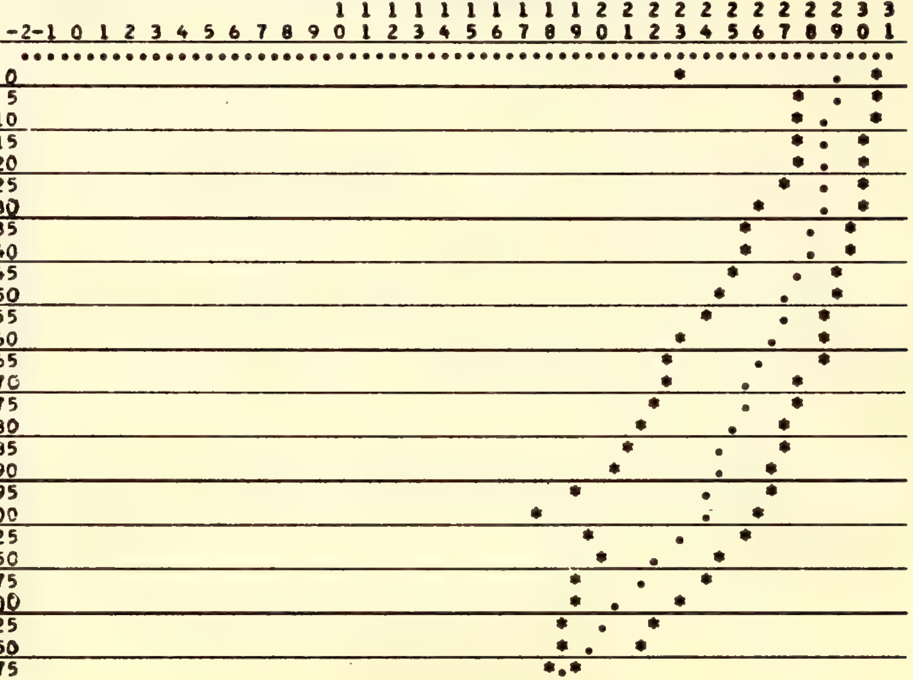
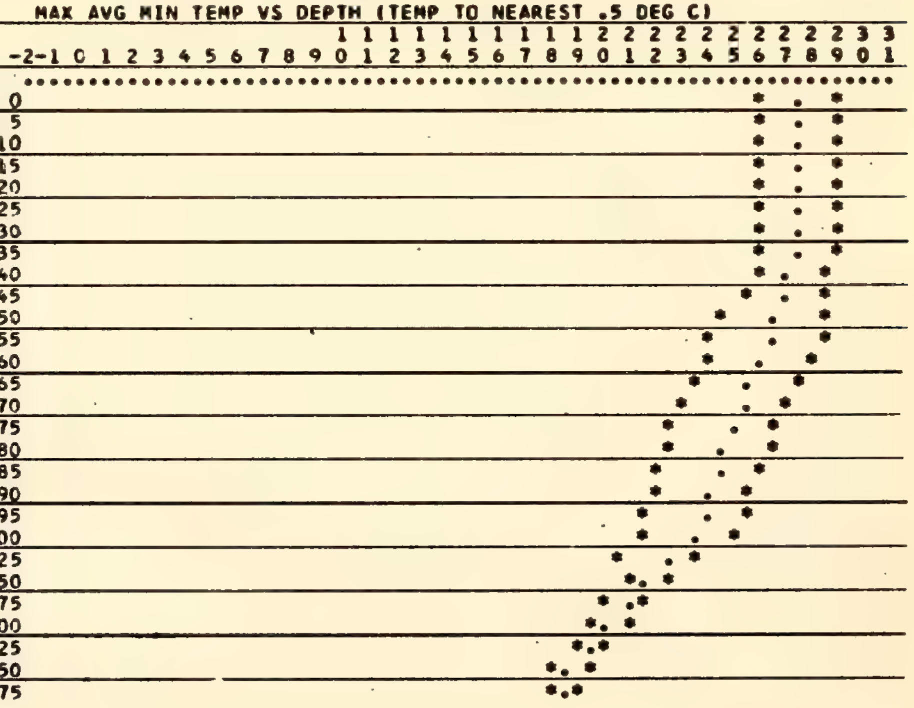


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12A MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.1	27.6	26.2	43	1.1	0.0	0.0	0.0	0
5	29.1	27.6	26.2	43	1.1	14.0	0.5	-2.0	5
10	29.1	27.6	26.2	43	1.0	6.0	0.5	0.0	10
15	29.1	27.5	26.2	43	1.0	6.0	0.7	0.0	15
20	29.1	27.5	26.2	43	1.0	2.0	0.5	-2.0	20
25	29.0	27.5	26.2	43	1.0	4.0	0.7	0.0	25
30	28.9	27.4	26.1	43	0.9	10.0	1.8	-2.0	30
35	28.8	27.3	26.1	43	0.8	24.0	2.8	0.0	35
40	28.7	27.1	25.9	43	0.8	22.0	3.3	0.0	40
45	28.6	26.9	25.4	43	0.8	24.0	4.0	0.0	45
50	28.4	26.7	24.6	43	0.8	22.0	4.8	0.0	50
55	28.3	26.3	24.0	43	0.9	24.0	7.2	0.0	55
60	27.9	25.9	23.8	42	0.9	24.0	6.2	0.0	60
65	27.6	25.6	23.3	42	1.0	22.0	6.2	0.0	65
70	27.1	25.3	23.0	42	1.1	24.0	6.7	0.0	70
75	26.6	24.9	22.7	42	1.1	18.0	7.4	0.0	75
80	26.3	24.6	22.4	42	1.1	16.0	6.1	0.0	80
85	26.1	24.3	22.1	42	1.1	14.0	6.2	2.0	85
90	25.7	24.0	21.8	42	1.1	12.0	5.2	2.0	90
95	25.6	23.8	21.6	41	1.0	12.0	5.6	0.0	95
100	25.1	23.5	21.4	41	0.9	12.0	6.0	2.0	100
125	23.6	22.5	20.4	40	0.6	10.0	4.2	0.8	125
150	22.3	21.6	21.0	36	0.3	6.0	3.6	0.0	150
175	21.6	20.9	20.2	36	0.3	5.6	3.0	0.8	175
200	21.1	20.1	19.6	36	0.3	4.8	3.1	0.8	200
225	20.0	19.3	18.8	36	0.3	5.2	3.2	1.2	225
250	19.4	18.7	18.1	35	0.3	3.6	2.7	1.6	250
275	19.0	18.4	18.1	12	0.3	3.2	1.7	0.4	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12A MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.5	26.3	23.6	81	1.6	0.0	0.0	0.0	0
5	29.4	26.3	23.7	81	1.5	6.0	0.2	-2.0	5
10	29.4	26.2	23.7	81	1.5	4.0	0.2	-2.0	10
15	29.4	26.2	23.7	81	1.5	12.0	0.4	-2.0	15
20	29.0	26.2	23.7	81	1.5	8.0	0.5	-2.0	20
25	28.9	26.2	23.7	81	1.5	30.0	0.8	-2.0	25
30	29.0	26.1	23.7	81	1.4	22.0	0.9	-2.0	30
35	29.0	26.1	23.7	81	1.4	18.0	0.9	-2.0	35
40	29.0	26.0	23.7	80	1.4	22.0	1.1	-2.0	40
45	29.1	25.9	22.4	80	1.4	30.0	1.5	-2.0	45
50	29.0	25.8	21.4	80	1.4	26.0	1.9	-2.0	50
55	28.4	25.7	20.9	80	1.4	28.0	2.7	0.0	55
60	27.7	25.5	20.6	80	1.4	30.0	3.3	0.0	60
65	27.6	25.4	23.5	79	1.3	24.0	3.6	0.0	65
70	27.6	25.2	23.0	79	1.3	18.0	3.1	-4.0	70
75	27.4	25.1	22.6	79	1.4	14.0	3.7	0.0	75
80	27.2	24.9	22.2	79	1.4	22.0	4.2	-2.0	80
85	27.2	24.6	21.8	79	1.5	12.0	4.7	0.0	85
90	27.2	24.4	21.3	78	1.5	12.0	5.4	0.0	90
95	27.0	24.0	20.9	77	1.6	14.0	6.4	0.0	95
100	26.9	23.8	20.4	77	1.6	20.0	5.5	0.0	100
125	26.2	22.6	19.6	74	1.7	9.2	5.0	1.2	125
150	25.6	21.5	18.9	70	1.7	7.2	4.1	2.0	150
175	24.4	20.7	18.4	68	1.6	7.2	3.5	0.8	175
200	22.7	15.8	15.5	65	1.5	11.6	3.5	0.8	200
225	21.8	19.2	17.1	40	1.4	5.6	2.9	0.4	225
250	21.1	19.0	16.6	13	1.5	4.0	2.2	0.4	250
275	18.7	18.7	18.7	1	0.0	0.8	0.8	0.8	275

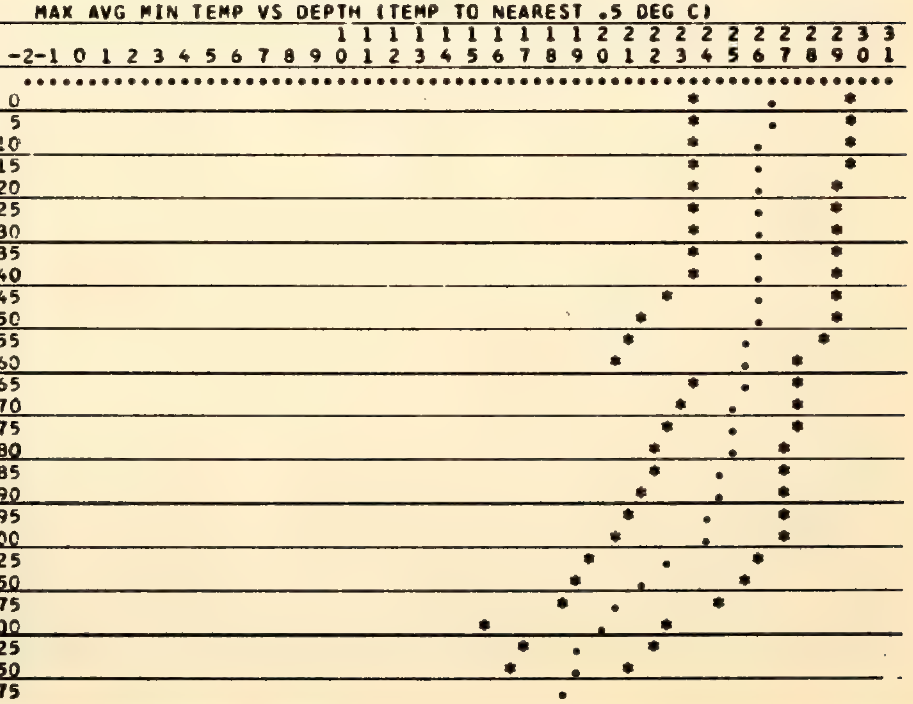


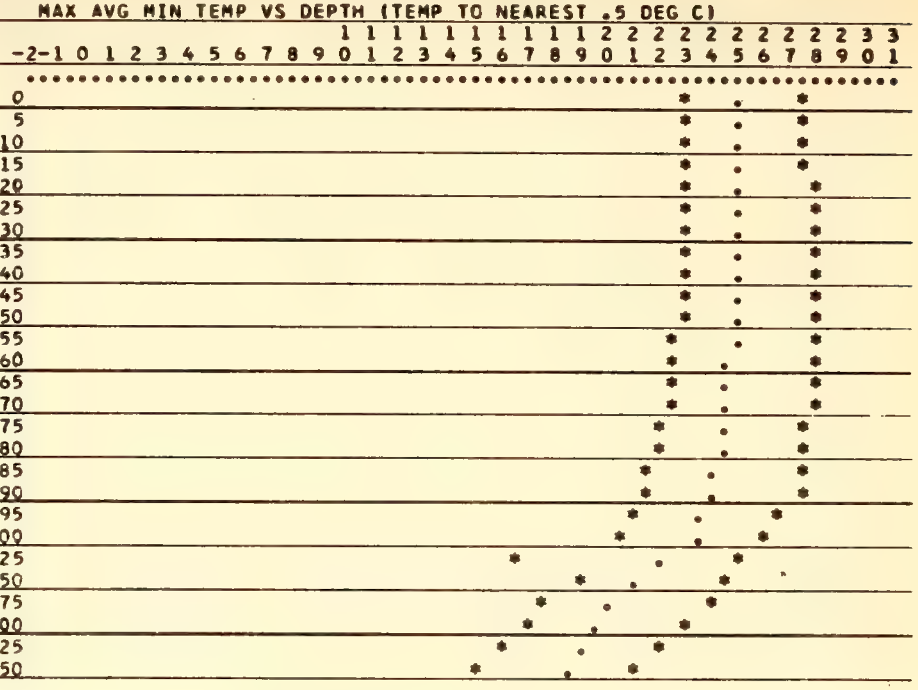
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12A MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.7	24.9	23.1	138	0.8	0.0	0.0	0.0	0
5	27.7	24.9	23.1	138	0.8	6.0	0.2	-4.0	5
10	27.7	24.9	23.1	138	0.8	6.0	0.1	-2.0	10
15	27.7	24.8	23.1	138	0.8	6.0	0.1	-4.0	15
20	27.8	24.8	23.0	138	0.8	4.0	0.1	-2.0	20
25	27.8	24.8	22.9	138	0.8	4.0	0.1	-2.0	25
30	27.8	24.8	22.8	138	0.8	4.0	0.2	-2.0	30
35	27.8	24.8	22.8	138	0.8	4.0	0.2	-4.0	35
40	27.8	24.8	22.8	138	0.8	6.0	0.2	-2.0	40
45	27.8	24.8	22.8	138	0.8	8.0	0.3	-2.0	45
50	27.8	24.8	22.8	138	0.8	4.0	0.2	-2.0	50
55	27.8	24.8	22.7	138	0.8	12.0	0.4	-4.0	55
60	27.8	24.7	22.6	138	0.8	20.0	0.7	-2.0	60
65	27.8	24.7	22.5	133	0.9	24.0	1.3	0.0	65
70	27.8	24.6	22.4	132	0.9	18.0	1.7	-2.0	70
75	27.7	24.5	22.1	132	1.0	20.0	2.5	0.0	75
80	27.6	24.3	21.8	132	1.0	18.0	3.0	0.0	80
85	27.4	24.1	21.5	132	1.1	20.0	4.0	-2.0	85
90	27.3	23.9	21.3	132	1.1	30.0	4.1	-2.0	90
95	26.7	23.7	20.8	130	1.2	18.0	4.6	-4.0	95
100	26.2	23.4	20.4	130	1.2	20.0	5.1	-2.0	100
125	25.2	22.0	16.3	124	1.3	16.4	5.5	0.0	125
150	24.4	21.0	19.0	113	1.1	7.2	4.0	0.8	150
175	23.8	20.2	17.7	113	1.1	5.2	3.2	0.4	175
200	22.9	19.5	16.8	111	1.1	5.6	2.8	0.4	200
225	22.1	19.0	15.9	95	1.1	5.2	2.2	0.4	225
250	21.0	18.4	15.0	67	1.0	4.0	1.7	0.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12A MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.5	22.1	21.1	56	0.7	0.0	0.0	0.0	0
5	24.4	22.1	21.1	56	0.7	4.0	0.0	-2.0	5
10	24.4	22.1	21.1	56	0.7	2.0	0.0	-2.0	10
15	24.4	22.1	21.1	56	0.7	4.0	0.3	-2.0	15
20	24.4	22.1	21.1	56	0.7	2.0	0.0	-2.0	20
25	24.4	22.0	21.1	56	0.7	2.0	0.2	0.0	25
30	24.4	22.0	21.1	56	0.7	4.0	0.4	-2.0	30
35	24.4	22.0	21.1	56	0.7	4.0	0.3	-2.0	35
40	24.4	22.0	21.1	56	0.7	4.0	0.4	0.0	40
45	24.4	22.0	21.1	56	0.7	4.0	0.4	0.0	45
50	24.4	22.0	21.1	56	0.7	2.0	0.3	0.0	50
55	24.4	21.9	21.1	56	0.7	6.0	0.5	0.0	55
60	24.4	21.9	21.1	56	0.7	4.0	0.5	-2.0	60
65	24.4	21.9	21.0	56	0.8	4.0	0.5	0.0	65
70	24.4	21.8	20.9	56	0.8	6.0	0.6	-2.0	70
75	24.4	21.8	20.8	56	0.8	8.0	0.7	0.0	75
80	24.4	21.8	20.6	56	0.8	4.0	0.4	0.0	80
85	24.4	21.7	20.5	56	0.8	8.0	0.9	0.0	85
90	24.4	21.7	20.3	55	0.8	6.0	0.8	0.0	90
95	24.4	21.6	20.2	54	0.7	14.0	1.0	0.0	95
100	24.4	21.5	20.1	54	0.7	6.0	1.5	0.0	100
125	23.9	20.9	19.5	52	0.9	6.4	2.3	0.0	125
150	21.7	20.1	18.5	49	1.0	6.8	3.1	0.0	150
175	21.2	19.2	17.4	49	1.1	6.4	3.8	0.8	175
200	22.6	18.3	16.6	46	1.2	7.2	3.4	-19.2	200
225	22.1	17.8	16.2	35	1.1	8.0	3.3	1.6	225
250	18.4	17.3	16.6	22	0.5	4.8	2.9	0.8	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

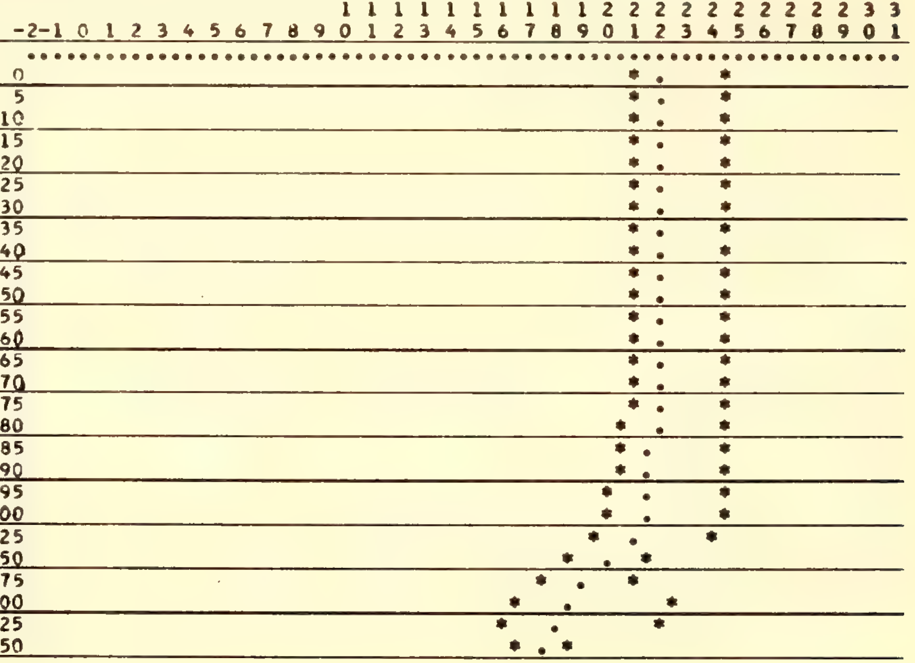


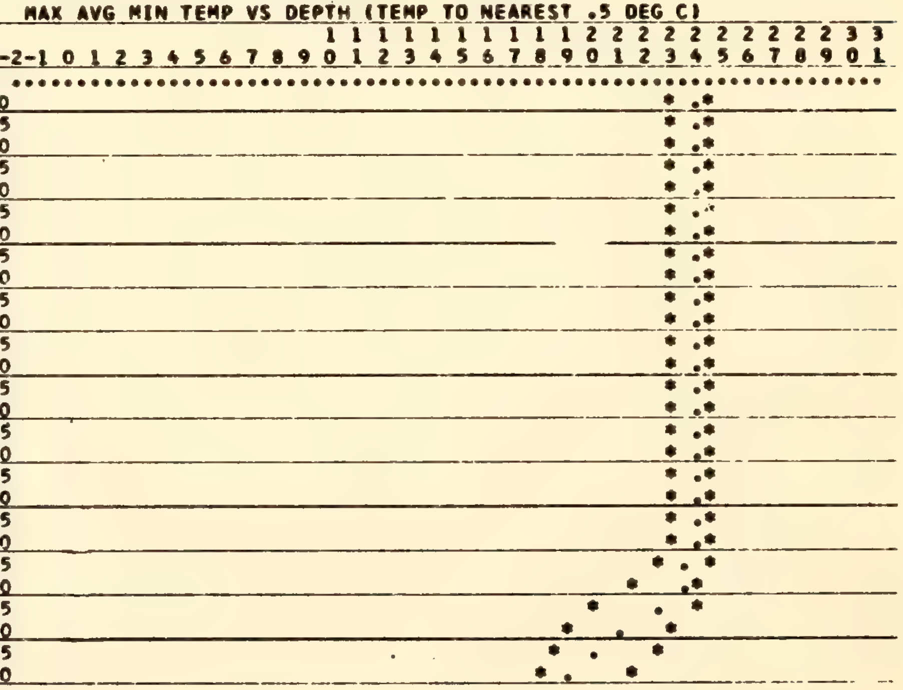
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 128 MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.7	23.9	22.8	8	0.5	0.0	0.0	0.0	0
5	24.7	23.9	22.8	8	0.5	2.0	0.0	-2.0	5
10	24.7	23.9	22.8	8	0.5	0.0	0.0	0.0	10
15	24.7	23.9	22.8	8	0.5	0.0	0.0	0.0	15
20	24.7	23.8	22.8	8	0.5	2.0	0.2	0.0	20
25	24.7	23.8	22.8	8	0.5	4.0	0.5	0.0	25
30	24.7	23.8	22.8	8	0.5	0.0	0.0	0.0	30
35	24.7	23.8	22.8	8	0.6	2.0	-0.2	-2.0	35
40	24.7	23.8	22.8	8	0.6	0.0	0.0	0.0	40
45	24.7	23.8	22.8	8	0.6	2.0	0.2	0.0	45
50	24.7	23.8	22.8	8	0.6	0.0	0.0	0.0	50
55	24.7	23.8	22.8	8	0.6	0.0	0.0	0.0	55
60	24.7	23.8	22.8	8	0.6	2.0	0.2	0.0	60
65	24.7	23.8	22.8	8	0.6	0.0	-0.2	-2.0	65
70	24.6	23.8	22.8	8	0.6	2.0	0.2	-2.0	70
75	24.6	23.8	22.8	8	0.6	2.0	0.0	-2.0	75
80	24.6	23.8	22.8	8	0.6	4.0	0.5	0.0	80
85	24.7	23.8	22.8	8	0.6	2.0	-0.2	-2.0	85
90	24.7	23.8	22.8	8	0.6	2.0	-0.2	-2.0	90
95	24.7	23.8	22.8	8	0.6	0.0	0.0	0.0	95
100	24.7	23.8	22.8	8	0.6	4.0	0.7	0.0	100
125	24.7	23.7	22.7	7	0.6	3.6	0.7	-0.8	125
150	24.1	23.3	21.5	7	1.0	6.0	1.9	0.0	150
175	23.9	22.4	20.0	7	1.4	6.0	3.3	0.8	175
200	23.1	21.2	19.0	7	1.5	6.4	4.8	3.2	200
225	22.3	20.0	18.3	4	1.9	4.8	3.7	2.8	225
250	21.3	19.0	17.8	3	1.9	4.0	2.7	2.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 128 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.1	23.2	22.5	25	0.5	0.0	0.0	0.0	0
5	24.0	23.1	22.4	25	0.5	4.0	1.0	0.0	5
10	24.0	23.1	22.2	25	0.5	4.0	0.9	0.0	10
15	24.0	23.1	22.2	25	0.5	4.0	0.7	-2.0	15
20	23.9	23.0	22.1	25	0.5	4.0	0.8	-2.0	20
25	23.9	23.0	22.0	25	0.5	2.0	0.2	-2.0	25
30	23.9	23.0	21.9	25	0.5	2.0	0.4	-2.0	30
35	23.9	23.0	21.9	25	0.6	2.0	0.2	-2.0	35
40	23.9	23.0	21.7	25	0.6	4.0	0.6	0.0	40
45	23.8	22.9	21.6	25	0.6	2.0	0.6	-2.0	45
50	23.8	22.9	21.6	25	0.6	2.0	0.1	0.0	50
55	23.8	22.9	21.4	25	0.6	4.0	0.3	-2.0	55
60	23.8	22.9	21.4	25	0.6	2.0	0.2	0.0	60
65	23.8	22.9	21.3	25	0.6	2.0	0.2	-2.0	65
70	23.8	22.9	21.2	25	0.6	2.0	0.2	0.0	70
75	23.8	22.9	21.2	25	0.6	2.0	0.5	0.0	75
80	23.8	22.8	21.1	25	0.6	2.0	0.4	-2.0	80
85	23.8	22.8	21.1	25	0.7	4.0	0.5	-2.0	85
90	23.8	22.8	20.9	25	0.7	4.0	0.7	0.0	90
95	23.8	22.8	20.8	25	0.7	2.0	0.3	0.0	95
100	23.8	22.7	20.7	25	0.7	4.0	0.6	0.0	100
125	23.8	22.5	20.4	23	0.7	3.2	0.7	-0.4	125
150	23.8	22.3	19.6	22	0.9	3.2	0.7	0.0	150
175	23.2	21.7	18.9	19	0.8	4.0	1.7	0.0	175
200	22.8	21.1	18.4	18	0.9	8.0	2.5	0.0	200
225	21.6	20.4	18.7	17	0.8	8.4	3.5	0.0	225
250	20.7	19.4	18.2	15	0.8	6.4	3.5	2.0	250
275	18.2	18.2	18.2	1	0.0	1.6	1.6	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

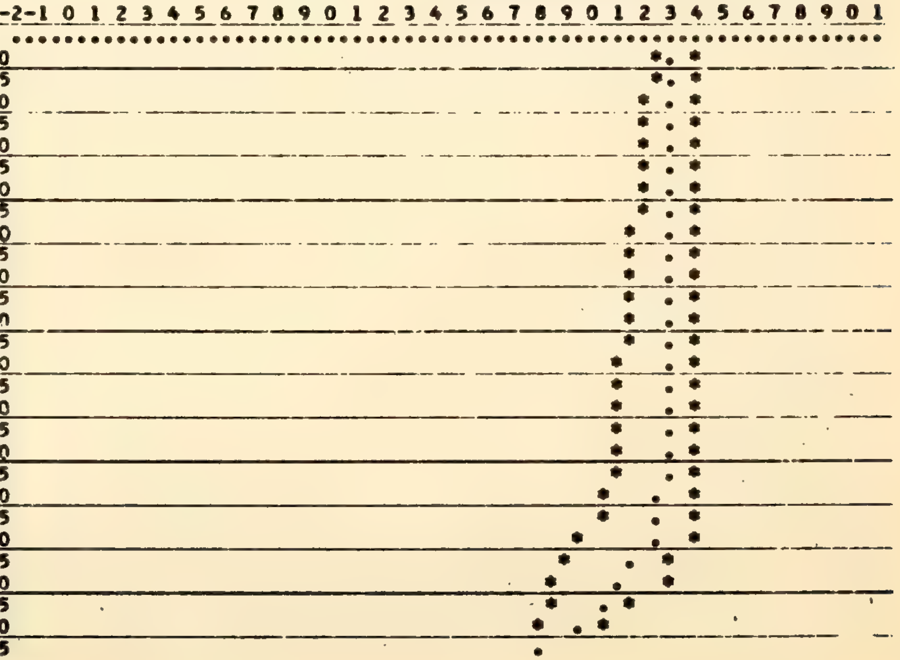


Table VI-1.--Continued

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                            NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12B  MONTH  3
                                                                     MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                              1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                             GRADIENT           -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX     AVG    MIN   NUM  SDEV 2SDEV    MAX    AVG    MIN     ....................................................................
     0 25.4   23.6   21.8    61   0.8   1.6    0.0    0.0    0.0 0                                                    *  .   *
     5 25.3   23.6   21.8    61   0.8   1.6    8.0    0.6   -2.0 5                                                    *  .   *
    10 25.2   23.6   21.8    61   0.7   1.4   14.0    0.7   -2.0 10                                                   *  .  *
    15 25.2   23.5   21.8    61   0.7   1.4   14.0    0.9   -2.0 15                                                   *  .  *
    20 25.2   23.5   21.8    61   0.8   1.6   12.0    1.0    0.0 20                                                   *  .  *
    25 25.1   23.4   21.8    61   0.8   1.6    8.0    0.4    0.0 25                                                   *  .  *
    30 25.1   23.4   21.8    61   0.8   1.6    4.0    0.5   -2.0 30                                                   *  .  *
    35 25.0   23.4   21.8    61   0.8   1.6    6.0    0.7   -2.0 35                                                   *  .  *
    40 25.0   23.4   21.8    61   0.8   1.6    6.0    0.6    0.0 40                                                   *  .  *
    45 24.9   23.3   21.8    61   0.8   1.6    6.0    0.7    0.0 45                                                   *  .  *
    50 24.9   23.3   21.8    60   0.8   1.6    6.0    0.2   -2.0 50                                                   *  .  *
    55 24.9   23.3   21.8    60   0.8   1.6    4.0    0.5   -2.0 55                                                   *  .  *
    60 24.9   23.3   21.8    60   0.8   1.6    4.0    0.4   -2.0 60                                                   *  .  *
    65 24.9   23.3   21.8    60   0.8   1.6    4.0    0.2   -2.0 65                                                   *  .  *
    70 24.9   23.2   21.8    60   0.8   1.6    4.0    0.6   -2.0 70                                                   * .   *
    75 24.9   23.2   21.8    59   0.8   1.6    8.0    0.7    0.0 75                                                   * .   *
    80 24.8   23.2   21.8    56   0.8   1.6    2.0    0.1   -2.0 80                                                   * .   *
    85 24.8   23.2   21.7    55   0.8   1.6   10.0    0.7   -2.0 85                                                  *  .   *
    90 24.7   23.1   21.6    54   0.8   1.6    8.0    0.7   -2.0 90                                                  *  .  *
    95 24.7   23.1   21.5    54   0.8   1.6    2.0    0.4    0.0 95                                                  *  .  *
   100 24.6   23.1   21.4    54   0.8   1.6    4.0    0.6    0.0 100                                                 *  .  *
   125 24.3   22.7   20.4    41   0.9   1.8    7.6    1.2    0.0 125                                               *   .   *
   150 23.6   21.8   19.9    21   1.0   2.0    6.4    2.0   -0.4 150                                              *   .  *
   175 23.8   21.0   19.4    20   1.0   2.0    7.2    3.0   -0.8 175                                             *  .     *
   200 22.9   20.2   18.7    17   1.1   2.2    8.4    3.9    1.6 200                                           *  .     *
   225 21.1   19.1   17.9    16   1.0   2.0    8.4    4.3    0.4 225                                          * .   *
   250 21.1   18.3   17.1    11   1.1   2.2    3.2    2.3    0.0 250                                        *  .    *


                            NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 12B  MONTH  /
                                                                     MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                              1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                             GRADIENT           -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX     AVG    MIN   NUM  SDEV          MAX    AVG    MIN     ....................................................................
     0 26.5   24.6   23.9    18   0.6          0.0    0.0    0.0 0                                                        *.   *
     5 26.5   24.5   23.9    18   0.6          4.0    1.3    0.0 5                                                        *.   *
    10 26.5   24.5   23.8    18   0.7          2.0    0.6    0.0 10                                                       *.   *
    15 26.5   24.5   23.8    18   0.7          4.0    0.7    0.0 15                                                       *.   *
    20 26.5   24.4   23.7    18   0.7          4.0    1.1    0.0 20                                                      * .   *
    25 26.6   24.4   23.6    18   0.7          2.0    0.6   -2.0 25                                                      * .   *
    30 26.6   24.3   23.5    18   0.7          6.0    1.0    0.0 30                                                      * .   *
    35 26.6   24.3   23.5    18   0.7          6.0    0.8    0.0 35                                                      * .   *
    40 26.7   24.3   23.5    18   0.7          2.0    0.9   -2.0 40                                                      * .   *
    45 26.7   24.2   23.4    18   0.8          4.0    1.3    0.0 45                                                      *.    *
    50 26.6   24.1   23.4    18   0.8          6.0    1.7    0.0 50                                                      *.    *
    55 26.2   24.0   23.4    18   0.7          8.0    1.9    0.0 55                                                      *.   *
    60 26.1   24.0   23.3    18   0.7          2.0    1.2    0.0 60                                                      *.   *
    65 26.1   23.9   23.3    18   0.7          4.0    1.1    0.0 65                                                      *.   *
    70 26.0   23.8   23.2    18   0.7          6.0    1.8    0.0 70                                                     * .   *
    75 25.9   23.7   23.1    18   0.7          6.0    1.7    0.0 75                                                     *.    *
    80 25.9   23.7   23.1    18   0.7          4.0    1.0    0.0 80                                                     *.    *
    85 25.7   23.6   23.0    18   0.7          4.0    0.8   -2.0 85                                                     *.   *
    90 25.5   23.6   22.9    18   0.7          6.0    1.6    0.0 90                                                     *.   *
    95 25.3   23.5   22.9    18   0.6          4.0    1.1    0.0 95                                                     *.   *
   100 25.2   23.4   22.8    18   0.6          6.0    1.3    0.0 100                                                    *.  *
   125 24.8   23.1   22.4    17   0.5          4.0    1.6    0.4 125                                                   *.   *
   150 23.9   22.7   21.8    15   0.4          5.2    1.6    0.4 150                                                  *.  *
   175 23.0   22.2   20.9    14   0.6          4.8    2.3    0.4 175                                                * . *
   200 22.4   21.5   19.9    13   0.7          6.4    2.9    1.2 200                                              *  . *
   225 22.0   20.6   19.4    13   1.0         10.0    3.3    0.8 225                                             * .  *
   250 21.4   20.0   18.9     7   1.0          6.0    3.4    2.0 250                                            * .  *
```

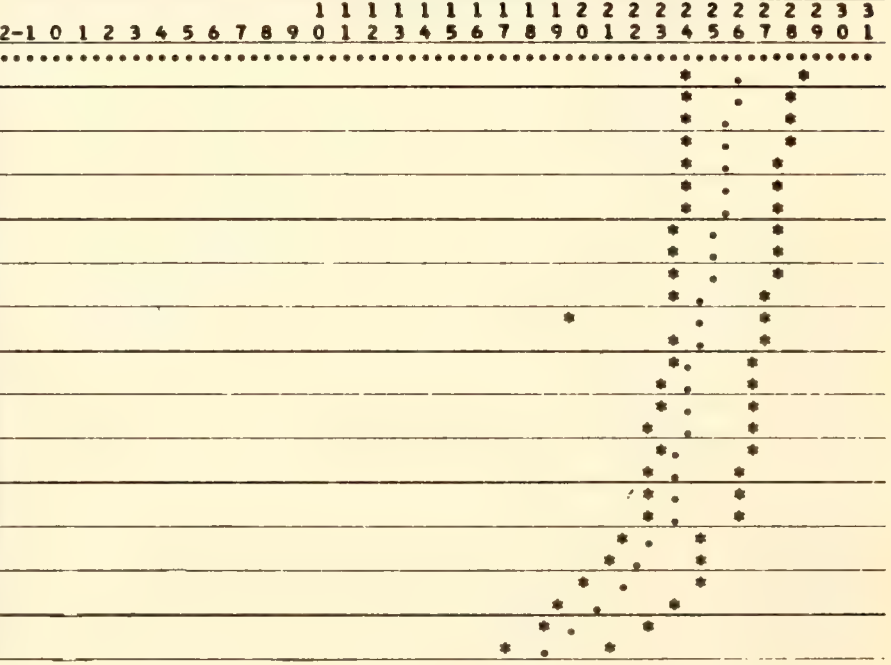
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 128 MONTH 5

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	28.6	25.9	23.8	40	1.1	0.0	0.0	0.0	0
5	28.0	25.8	23.8	40	1.0	14.0	1.6	-4.0	5
10	28.0	25.7	23.8	40	1.0	10.0	1.4	-2.0	10
15	28.0	25.6	23.8	40	1.0	8.0	2.2	-2.0	15
20	27.7	25.5	23.8	40	1.0	10.0	2.1	0.0	20
25	27.6	25.4	23.8	40	1.0	8.0	1.4	0.0	25
30	27.6	25.3	23.8	40	1.1	10.0	2.3	0.0	30
35	27.6	25.2	23.7	40	1.1	10.0	2.3	0.0	35
40	27.6	25.0	23.7	40	1.0	14.0	3.0	0.0	40
45	27.5	24.8	23.5	40	1.0	16.0	3.7	0.0	45
50	27.2	24.7	23.5	40	1.0	8.0	2.5	0.0	50
55	27.1	24.4	19.6	39	1.2	110.0	5.9	0.0	55
60	26.9	24.4	23.3	39	0.8	8.0	0.3	-102.0	60
65	26.7	24.2	23.3	39	0.8	8.0	2.7	0.0	65
70	26.7	24.1	23.1	39	0.7	24.0	3.2	-4.0	70
75	26.6	23.9	22.8	39	0.7	10.0	2.7	0.0	75
80	26.6	23.8	22.7	39	0.7	8.0	2.5	0.0	80
85	26.4	23.7	22.8	39	0.7	10.0	2.4	-4.0	85
90	26.2	23.6	22.6	39	0.7	10.0	2.4	-2.0	90
95	26.1	23.4	22.5	39	0.7	12.0	2.6	0.0	95
100	25.9	23.3	22.3	39	0.7	6.0	2.6	0.0	100
125	24.7	22.7	21.7	37	0.5	7.2	2.2	0.0	125
150	24.7	22.1	21.2	37	0.6	6.4	2.4	0.0	150
175	24.3	21.4	19.9	37	0.8	7.6	3.1	0.0	175
200	23.4	20.6	19.0	36	1.0	6.4	3.2	0.0	200
225	22.3	19.7	18.4	35	1.0	8.4	3.4	0.8	225
250	20.8	18.7	17.1	35	0.9	8.4	3.6	1.2	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 128 MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	28.7	27.2	25.7	135	0.6	0.0	0.0	0.0	0
5	28.4	27.2	25.7	135	0.5	10.0	1.0	-2.0	5
10	28.3	27.1	25.6	135	0.5	12.0	1.1	-2.0	10
15	28.3	27.1	25.6	135	0.5	10.0	1.4	-2.0	15
20	28.2	27.0	25.6	135	0.5	10.0	1.4	-2.0	20
25	28.2	26.9	25.5	135	0.5	14.0	1.4	-4.0	25
30	28.1	26.8	25.1	135	0.6	14.0	2.4	-2.0	30
35	27.8	26.6	24.4	135	0.7	38.0	3.0	-2.0	35
40	27.8	26.5	23.9	135	0.7	22.0	3.3	-2.0	40
45	27.7	26.3	23.9	135	0.7	16.0	3.7	-2.0	45
50	27.7	26.1	23.7	135	0.8	14.0	3.6	0.0	50
55	27.7	25.9	23.6	135	0.8	12.0	3.6	0.0	55
60	27.7	25.8	23.4	135	0.8	18.0	3.1	-4.0	60
65	27.6	25.6	23.4	135	0.8	22.0	3.4	-2.0	65
70	27.5	25.4	23.3	135	0.8	14.0	3.3	-2.0	70
75	27.4	25.3	23.3	135	0.8	14.0	3.6	-4.0	75
80	27.2	25.1	23.1	135	0.9	16.0	3.8	0.0	80
85	26.9	24.9	22.9	135	0.8	20.0	3.9	0.0	85
90	26.7	24.7	22.8	135	0.8	14.0	3.2	0.0	90
95	26.2	24.6	22.6	134	0.8	16.0	3.3	-2.0	95
100	26.0	24.4	22.4	134	0.8	12.0	3.7	-2.0	100
125	25.3	23.6	21.3	106	0.9	14.4	3.2	0.4	125
150	24.8	22.9	20.6	94	0.9	8.8	3.3	1.2	150
175	23.6	21.8	19.8	93	0.8	10.0	4.5	0.0	175
200	21.8	20.6	19.4	59	0.6	10.8	5.0	1.2	200
225	21.1	19.4	17.9	38	0.7	8.0	4.0	1.2	225
250	20.6	18.7	16.2	25	0.9	6.8	3.4	1.2	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

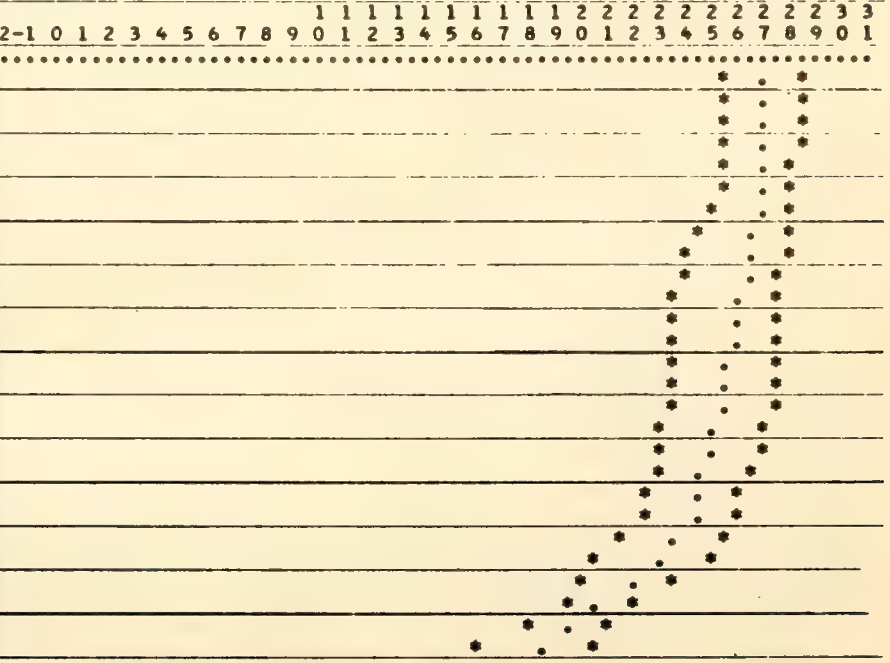


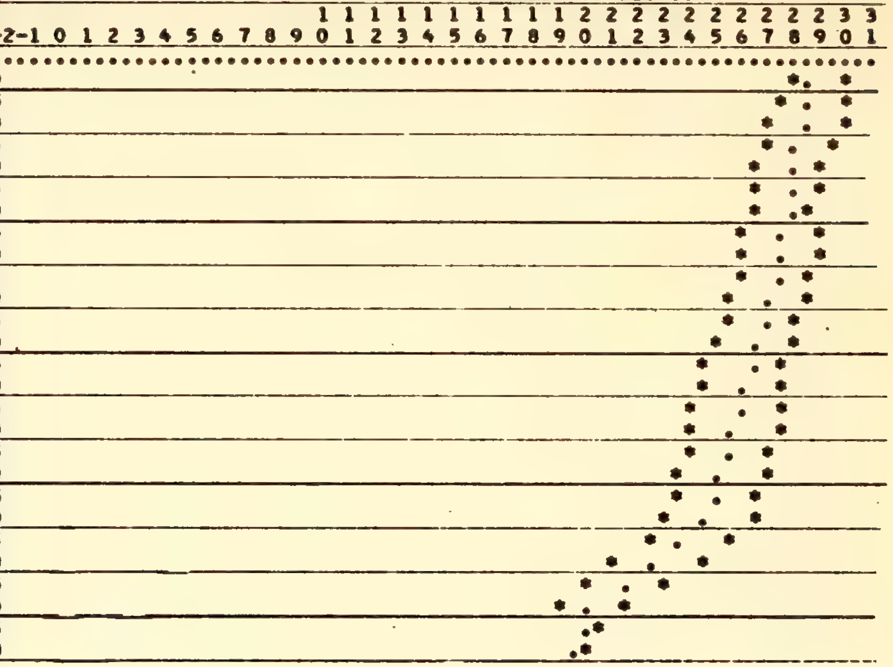
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 128 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.1	28.7	28.1	23	0.5	0.0	0.0	0.0	0
5	29.9	28.5	27.6	23	0.5	10.0	3.2	0.0	5
10	29.8	28.3	27.0	23	0.6	12.0	3.8	0.0	10
15	29.5	28.2	26.8	23	0.7	10.0	2.9	0.0	15
20	29.2	28.1	26.6	23	0.7	8.0	2.5	0.0	20
25	28.8	27.9	26.4	23	0.7	8.0	3.1	0.0	25
30	28.7	27.8	26.3	23	0.7	10.0	2.7	0.0	30
35	28.8	27.7	26.2	23	0.7	14.0	2.4	-4.0	35
40	28.9	27.5	26.1	23	0.8	12.0	3.0	-2.0	40
45	28.7	27.3	25.9	23	0.8	16.0	4.6	0.0	45
50	28.6	27.0	25.5	23	0.9	14.0	4.8	0.0	50
55	28.2	26.8	25.3	23	0.9	12.0	4.3	0.0	55
60	27.9	26.6	24.9	23	0.9	10.0	5.2	2.0	60
65	27.7	26.3	24.5	23	1.0	12.0	4.8	0.0	65
70	27.5	26.1	24.4	23	1.0	12.0	3.8	0.0	70
75	27.3	25.9	24.2	23	1.0	12.0	4.3	0.0	75
80	27.3	25.6	23.9	23	1.0	14.0	5.7	0.0	80
85	27.1	25.4	23.8	23	1.0	14.0	5.0	0.0	85
90	26.8	25.2	23.5	23	0.9	6.0	3.9	0.0	90
95	26.6	24.9	23.3	23	0.9	12.0	5.0	0.0	95
100	26.4	24.7	23.1	23	0.9	16.0	5.7	2.0	100
125	25.7	23.7	22.3	23	0.9	8.8	4.0	1.2	125
150	24.6	22.6	21.1	23	1.0	9.2	4.2	1.2	150
175	23.2	21.3	20.1	23	0.8	9.6	5.1	2.0	175
200	21.6	20.1	18.9	14	0.8	6.4	4.1	1.6	200
225	20.4	20.2	19.9	3	0.2	5.6	3.7	2.0	225
250	19.9	19.7	19.5	3	0.2	2.8	2.0	1.6	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

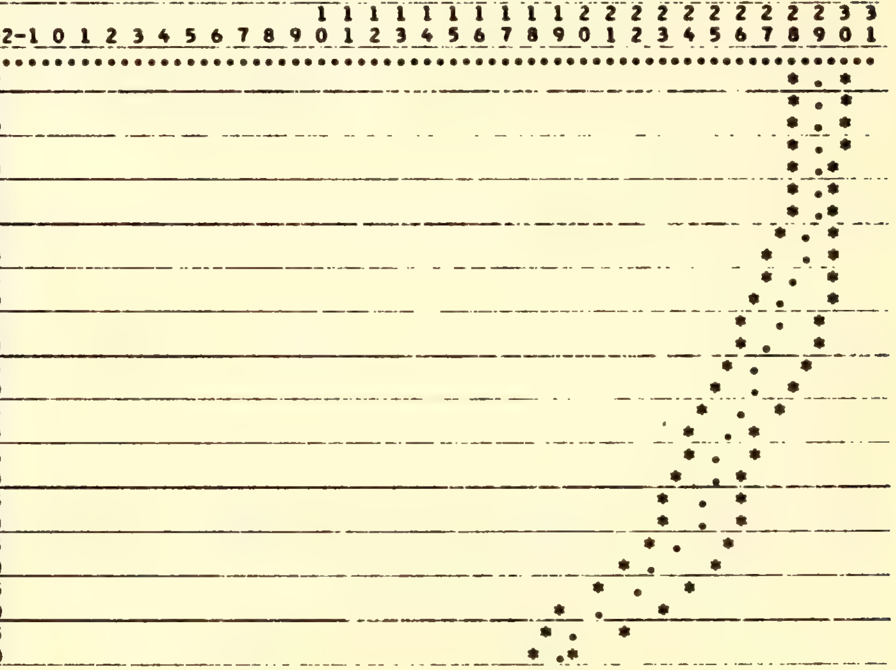


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 128 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.1	29.2	28.1	26	0.5	0.0	0.0	0.0	0
5	30.0	29.1	28.1	26	0.5	6.0	0.3	-6.0	5
10	29.9	29.1	28.2	26	0.4	4.0	0.5	-2.0	10
15	29.8	29.1	28.2	26	0.4	6.0	0.9	-2.0	15
20	29.7	29.0	28.1	26	0.4	4.0	0.6	0.0	20
25	29.7	29.0	28.1	26	0.4	4.0	0.9	0.0	25
30	29.7	28.9	27.8	26	0.4	6.0	1.7	0.0	30
35	29.7	28.7	27.6	26	0.4	20.0	4.1	0.0	35
40	29.6	28.4	27.1	26	0.5	24.0	6.2	0.0	40
45	29.6	28.0	26.8	26	0.6	20.0	6.9	0.0	45
50	29.6	27.7	26.6	26	0.7	22.0	6.6	-6.0	50
55	29.1	27.4	26.2	26	0.7	16.0	6.6	-8.0	55
60	28.8	27.0	25.8	26	0.7	18.0	7.3	2.0	60
65	28.5	26.6	25.3	26	0.7	22.0	7.8	0.0	65
70	27.9	26.3	24.9	26	0.7	16.0	6.6	2.0	70
75	27.7	25.9	24.5	26	0.6	14.0	7.5	2.0	75
80	26.3	25.5	24.1	26	0.5	38.0	8.9	0.0	80
85	26.3	25.1	23.8	26	0.5	12.0	6.8	0.0	85
90	26.2	24.8	23.5	26	0.5	14.0	6.6	2.0	90
95	26.2	24.6	23.2	26	0.6	8.0	4.9	0.0	95
100	26.1	24.3	23.0	26	0.6	10.0	4.6	2.0	100
125	25.6	23.4	22.3	26	0.7	6.8	3.7	0.8	125
150	25.1	22.6	21.3	26	0.8	5.6	3.3	2.0	150
175	24.0	21.8	20.3	24	0.9	5.6	3.5	1.6	175
200	23.0	20.6	18.9	23	0.8	7.6	4.7	2.4	200
225	21.7	19.5	18.3	21	0.7	6.8	4.1	2.0	225
250	19.6	18.8	17.9	14	0.5	4.8	2.9	1.2	250

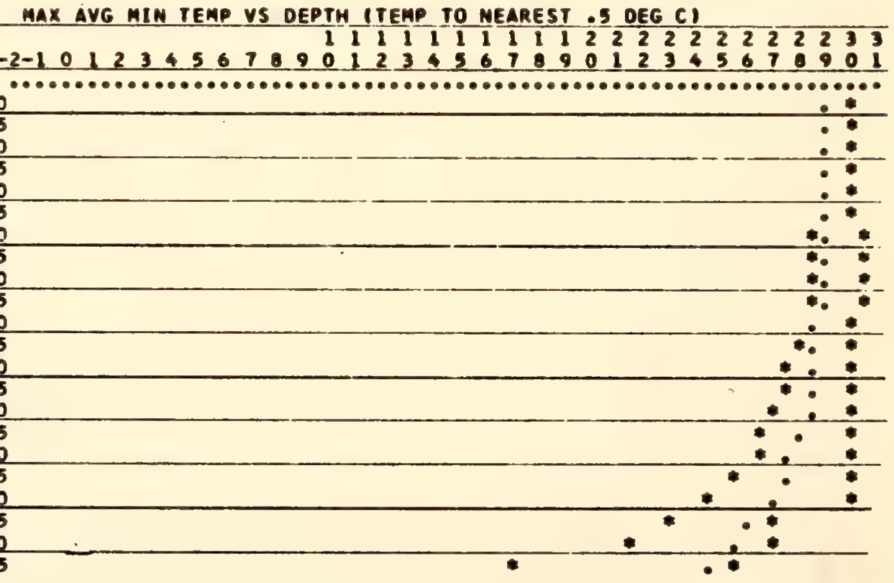
MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 128 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.2	29.1	28.8	18	0.4	0.0	0.0	0.0	0
5	30.2	29.1	28.8	18	0.4	2.0	-0.2	-2.0	5
10	30.2	29.1	28.8	18	0.4	2.0	0.1	-2.0	10
15	30.2	29.1	28.8	18	0.4	4.0	0.4	-2.0	15
20	30.2	29.0	28.8	18	0.4	2.0	0.2	-2.0	20
25	30.2	29.0	28.8	18	0.4	2.0	0.2	0.0	25
30	30.4	29.0	28.7	18	0.5	2.0	0.0	-4.0	30
35	30.4	29.0	28.6	18	0.5	2.0	0.7	0.0	35
40	30.7	29.0	28.5	18	0.5	4.0	0.1	-6.0	40
45	30.4	29.0	28.4	18	0.5	6.0	0.9	0.0	45
50	29.9	28.7	28.3	16	0.3	6.0	1.4	0.0	50
55	29.9	28.7	28.2	16	0.3	4.0	1.1	0.0	55
60	30.0	28.5	27.6	16	0.4	24.0	2.5	-2.0	60
65	30.1	28.5	27.4	16	0.5	6.0	1.9	-2.0	65
70	30.1	28.3	27.0	16	0.6	10.0	3.9	0.0	70
75	30.1	28.0	26.5	16	0.7	14.0	6.0	0.0	75
80	30.1	27.6	26.3	16	0.7	18.0	6.6	0.0	80
85	30.1	27.3	25.7	16	0.8	22.0	7.2	0.0	85
90	30.1	26.8	24.4	15	1.1	26.0	8.8	0.0	90
95	27.2	26.1	23.1	14	0.9	26.0	10.6	2.0	95
100	26.9	25.7	21.7	14	1.2	28.0	6.9	2.0	100
125	25.3	24.5	17.0	14	2.1	18.8	4.7	2.4	125



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 128 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.2	28.6	28.1	15	0.3	0.0	0.0	0.0	0
5	29.2	28.6	28.1	15	0.3	0.0	-0.5	-6.0	5
10	29.2	28.6	28.0	15	0.3	2.0	0.1	0.0	10
15	29.2	28.6	27.9	15	0.4	2.0	0.4	0.0	15
20	29.2	28.5	27.8	15	0.4	2.0	0.5	0.0	20
25	29.2	28.5	27.8	15	0.4	0.0	0.0	0.0	25
30	29.2	28.5	27.8	15	0.4	0.0	-0.1	-2.0	30
35	29.1	28.5	27.8	15	0.4	2.0	0.1	0.0	35
40	29.1	28.5	27.8	15	0.4	0.0	-0.1	-2.0	40
45	29.1	28.5	27.8	15	0.4	0.0	0.0	0.0	45
50	29.1	28.5	27.8	15	0.4	8.0	0.7	-2.0	50
55	29.1	28.5	27.8	15	0.4	0.0	-0.1	-2.0	55
60	29.1	28.5	27.7	15	0.4	4.0	0.5	-2.0	60
65	29.1	28.4	27.7	15	0.3	12.0	1.7	-4.0	65
70	29.0	28.3	27.4	15	0.4	18.0	2.3	-2.0	70
75	28.8	28.1	26.9	15	0.5	14.0	4.0	0.0	75
80	28.4	27.7	26.5	15	0.5	18.0	7.9	0.0	80
85	28.3	27.3	26.1	15	0.7	24.0	8.4	0.0	85
90	28.2	26.9	25.3	15	0.8	16.0	6.9	0.0	90
95	27.8	26.6	25.1	15	0.8	12.0	6.9	2.0	95
100	27.6	26.2	24.9	15	0.8	20.0	8.0	0.0	100
125	26.4	24.6	23.7	14	0.9	13.6	6.7	3.6	125
150	25.5	23.6	22.2	11	1.1	7.2	4.6	1.6	150
175	24.3	22.3	20.4	9	1.3	16.4	6.4	2.4	175
200	22.3	20.8	19.6	6	1.0	10.0	6.7	3.2	200
225	20.7	19.7	18.6	6	0.7	6.4	4.7	1.6	225
250	19.7	18.8	18.0	5	0.6	4.0	3.0	2.0	250
275	18.7	18.6	18.5	2	0.1	1.6	1.6	1.6	275

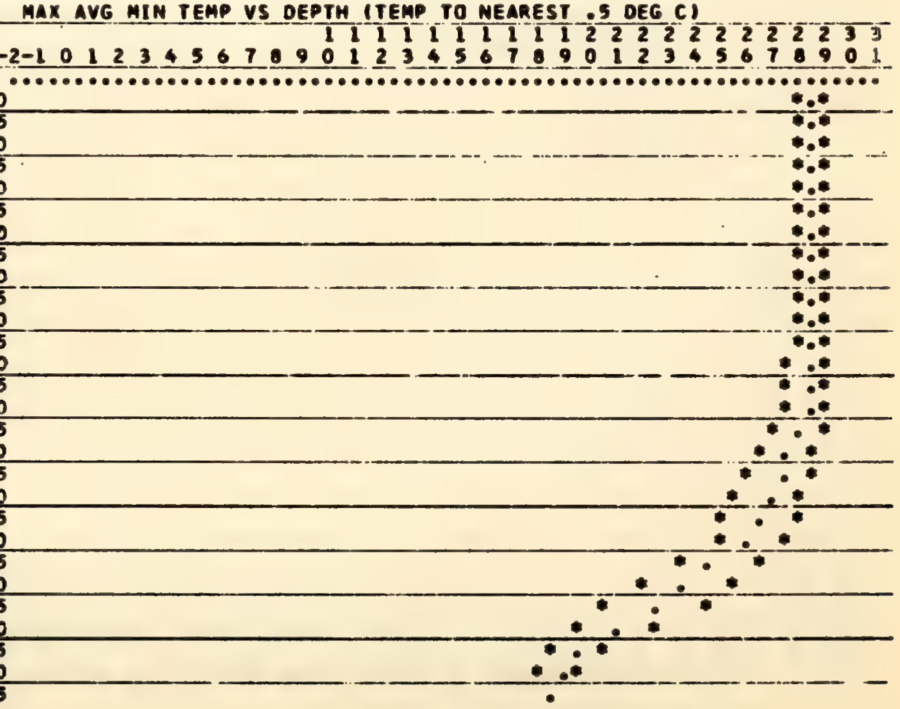
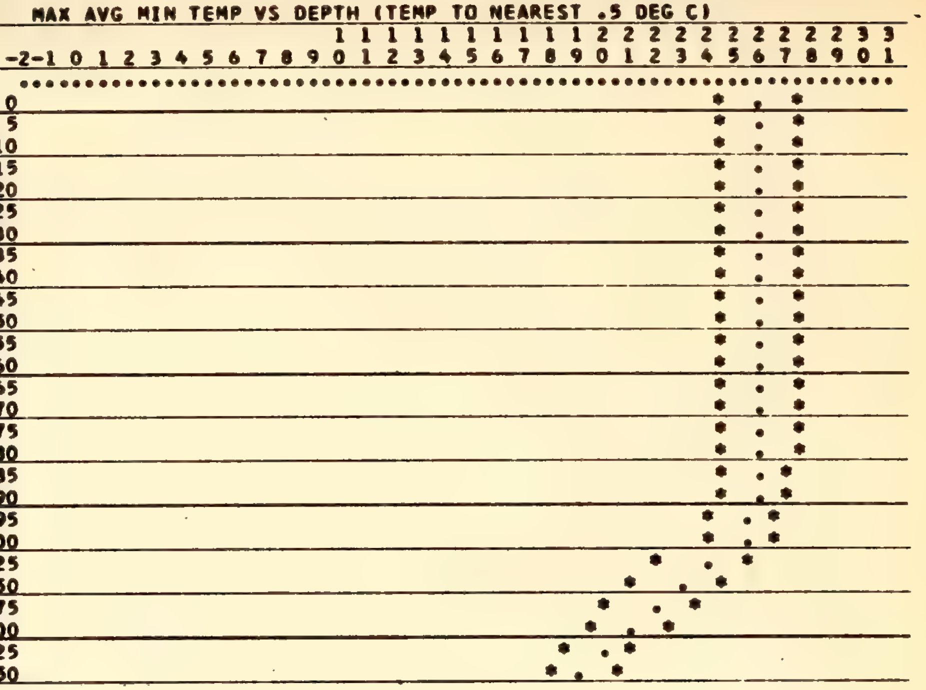


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 128 MONTH 11

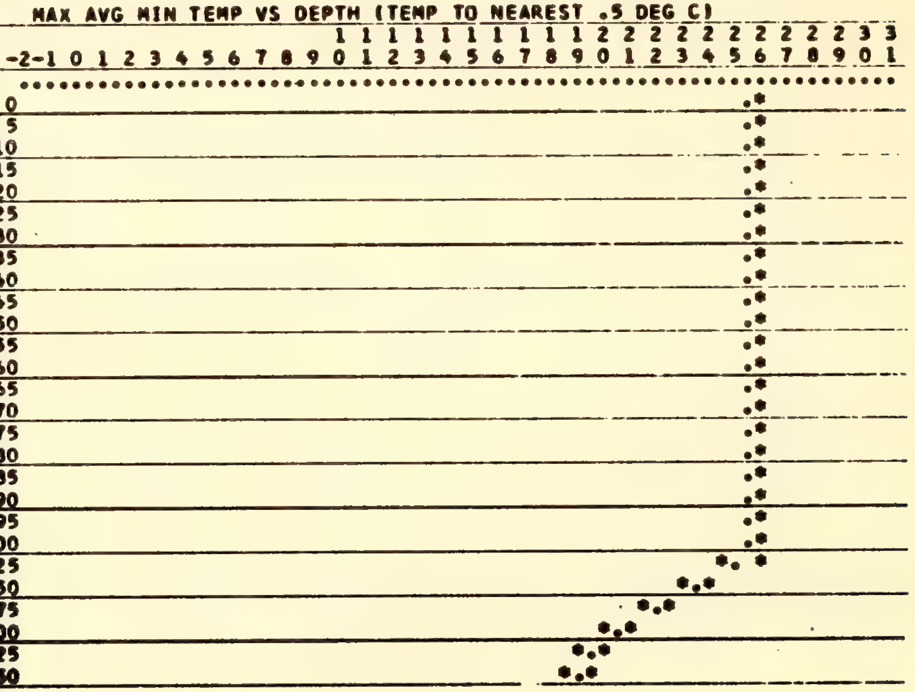
DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	27.7	26.2	24.6	18	0.8	0.0	0.0	0.0	0
5	27.7	26.2	24.6	18	0.8	2.0	0.1	-2.0	5
10	27.7	26.2	24.6	18	0.8	2.0	0.1	0.0	10
15	27.7	26.2	24.6	18	0.8	0.0	-0.1	-2.0	15
20	27.7	26.2	24.6	18	0.8	0.0	-0.1	-2.0	20
25	27.7	26.2	24.6	18	0.8	0.0	0.0	0.0	25
30	27.7	26.2	24.6	18	0.8	2.0	0.1	0.0	30
35	27.7	26.2	24.6	18	0.8	2.0	0.1	0.0	35
40	27.7	26.2	24.6	18	0.8	2.0	0.2	0.0	40
45	27.6	26.2	24.6	18	0.8	2.0	0.6	0.0	45
50	27.5	26.2	24.6	18	0.8	2.0	0.1	0.0	50
55	27.5	26.2	24.6	18	0.8	2.0	0.1	0.0	55
60	27.4	26.2	24.6	18	0.8	2.0	0.2	0.0	60
65	27.4	26.1	24.6	18	0.8	12.0	0.7	0.0	65
70	27.4	26.1	24.6	18	0.8	6.0	0.8	0.0	70
75	27.4	26.0	24.6	18	0.8	8.0	0.9	0.0	75
80	27.3	26.0	24.6	18	0.8	4.0	0.6	0.0	80
85	27.2	25.9	24.6	18	0.7	18.0	1.4	-2.0	85
90	27.1	25.8	24.3	18	0.7	16.0	2.3	0.0	90
95	26.7	25.6	24.0	18	0.8	16.0	5.0	0.0	95
100	26.7	25.4	23.8	18	0.7	16.0	3.9	0.0	100
125	25.6	24.2	22.0	18	1.0	8.0	4.6	0.8	125
150	24.6	23.0	21.0	18	1.0	7.2	5.0	3.2	150
175	23.3	21.9	20.1	18	1.0	8.4	4.2	1.6	175
200	22.3	21.0	19.3	16	0.8	6.0	4.2	1.6	200
225	21.1	20.0	18.4	11	0.8	7.2	4.2	2.4	225
250	20.4	19.1	17.8	10	0.8	4.4	3.2	2.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 128 MONTH 12

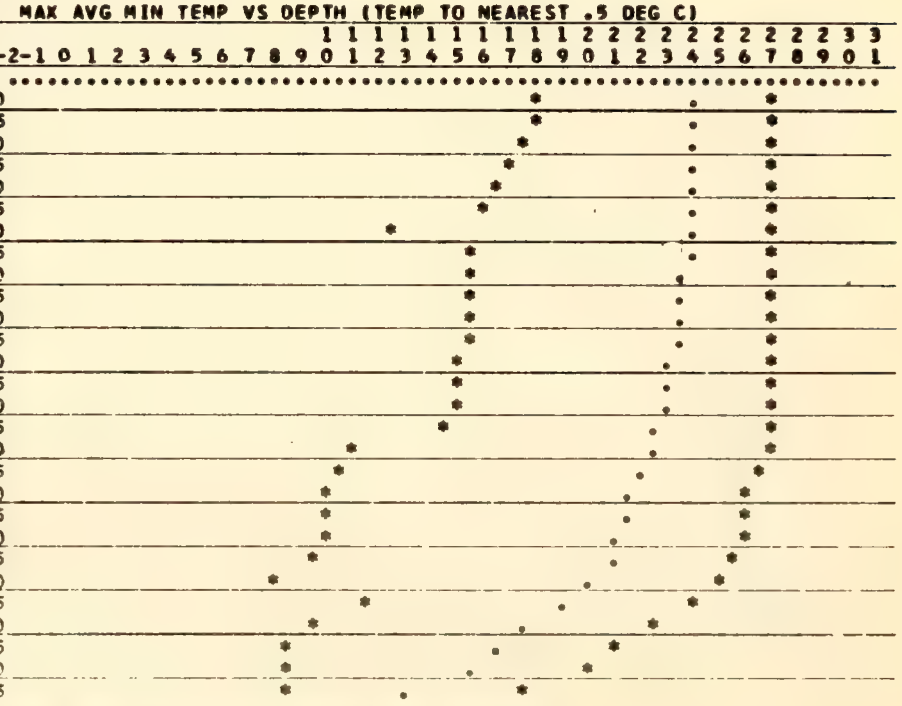
DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	0
5	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	5
10	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	10
15	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	15
20	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	20
25	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	25
30	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	30
35	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	35
40	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	40
45	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	45
50	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	50
55	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	55
60	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	60
65	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	65
70	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	70
75	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	75
80	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	80
85	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	85
90	25.9	25.6	25.4	11	0.1	0.0	0.0	0.0	90
95	25.9	25.6	25.3	11	0.1	2.0	0.2	0.0	95
100	25.9	25.6	25.3	11	0.1	0.0	0.0	0.0	100
125	25.9	25.2	24.4	11	0.4	4.8	1.7	0.0	125
150	23.9	23.3	22.8	11	0.3	10.4	7.5	5.6	150
175	22.6	21.9	21.4	10	0.3	7.2	5.4	4.0	175
200	21.2	20.6	20.1	10	0.4	6.8	5.1	4.0	200
225	20.0	19.5	19.2	9	0.3	5.6	4.4	2.0	225
250	19.3	18.8	18.5	9	0.2	4.4	2.8	2.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13 MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.2	23.9	17.9	245	1.7	0.0	0.0	0.0	0
5	27.2	23.9	17.9	244	1.6	22.0	0.7	-4.0	5
10	27.2	23.9	17.7	239	1.6	14.0	0.9	-2.0	10
15	27.2	23.9	17.0	236	1.6	14.0	1.1	-4.0	15
20	27.2	24.0	16.4	218	1.5	16.0	1.9	-2.0	20
25	27.2	24.0	16.0	214	1.5	54.0	2.3	-2.0	25
30	27.2	23.9	12.6	211	1.6	72.0	2.7	-2.0	30
35	27.2	23.8	15.6	210	1.4	12.0	2.2	-4.0	35
40	27.2	23.7	15.6	210	1.5	18.0	2.6	0.0	40
45	27.2	23.6	15.5	208	1.5	16.0	2.7	-2.0	45
50	27.2	23.4	15.4	207	1.6	20.0	2.6	-4.0	50
55	27.2	23.3	15.3	204	1.6	24.0	3.1	-2.0	55
60	27.2	23.2	15.2	203	1.6	22.0	3.4	-2.0	60
65	27.2	23.0	15.1	199	1.7	30.0	4.1	-6.0	65
70	27.1	22.8	15.0	196	1.8	48.0	4.4	-4.0	70
75	26.9	22.5	14.5	191	1.9	60.0	5.0	-8.0	75
80	26.8	22.3	10.8	183	2.2	74.0	5.8	0.0	80
85	26.3	22.0	10.3	181	2.4	60.0	6.1	0.0	85
90	25.9	21.7	10.1	172	2.4	38.0	5.5	-2.0	90
95	25.9	21.5	9.9	151	2.6	34.0	5.7	-2.0	95
100	25.9	21.2	9.8	151	2.7	28.0	6.0	-12.0	100
125	25.5	20.8	9.6	142	2.9	34.0	6.9	-6.0	125
150	24.9	20.0	8.0	84	3.6	16.8	5.7	0.0	150
175	24.1	19.2	11.3	64	3.4	18.8	6.9	0.8	175
200	22.7	17.7	9.3	61	3.6	24.4	6.9	0.4	200
225	21.2	16.4	8.4	59	3.6	11.6	5.6	2.8	225
250	20.0	15.3	8.4	56	3.6	9.6	4.3	1.2	250
275	17.7	12.9	8.3	36	3.4	16.0	4.4	0.4	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.9	24.2	17.9	590	1.6	0.0	0.0	0.0	0
5	27.7	24.2	17.8	589	1.6	12.0	0.7	-12.0	5
10	27.7	24.2	17.8	586	1.6	16.0	1.2	-2.0	10
15	27.7	24.1	18.0	586	1.6	20.0	1.9	-4.0	15
20	27.7	24.0	17.8	585	1.6	26.0	2.2	-2.0	20
25	27.7	23.9	19.7	582	1.7	18.0	2.3	-4.0	25
30	27.7	23.8	19.9	581	1.7	20.0	2.3	-10.0	30
35	27.7	23.6	19.9	580	1.7	24.0	2.5	-2.0	35
40	27.7	23.5	19.4	579	1.8	18.0	2.6	-4.0	40
45	27.6	23.4	18.7	578	1.9	24.0	2.9	-4.0	45
50	27.3	23.2	17.8	575	2.0	26.0	3.3	-4.0	50
55	27.2	23.0	17.1	568	2.1	28.0	4.0	-8.0	55
60	27.3	22.8	15.9	565	2.2	34.0	5.2	-4.0	60
65	27.2	22.5	15.3	557	2.4	44.0	5.3	-4.0	65
70	27.2	22.2	14.5	554	2.6	62.0	5.6	-8.0	70
75	27.2	22.0	13.8	549	2.8	52.0	5.5	-6.0	75
80	27.2	21.7	12.3	540	3.0	46.0	5.9	-6.0	80
85	27.2	21.4	10.9	534	3.2	48.0	6.6	-18.0	85
90	27.2	21.1	9.9	521	3.4	64.0	6.7	-2.0	90
95	27.2	20.7	9.4	493	3.4	30.0	7.8	-10.0	95
100	27.2	20.3	9.3	493	3.5	46.0	7.9	-6.0	100
125	27.2	20.0	11.6	473	3.5	38.0	7.6	-6.0	125
150	26.6	18.3	10.2	395	4.0	22.8	6.8	0.0	150
175	24.6	17.0	9.7	337	4.1	19.6	6.0	1.2	175
200	22.7	16.0	7.9	312	3.9	16.0	5.3	0.0	200
225	21.5	15.1	7.4	271	3.7	13.6	5.1	-0.4	225
250	21.0	14.2	6.8	236	3.6	12.8	4.4	-0.8	250
275	18.7	13.3	7.4	146	3.4	10.0	4.0	0.0	275

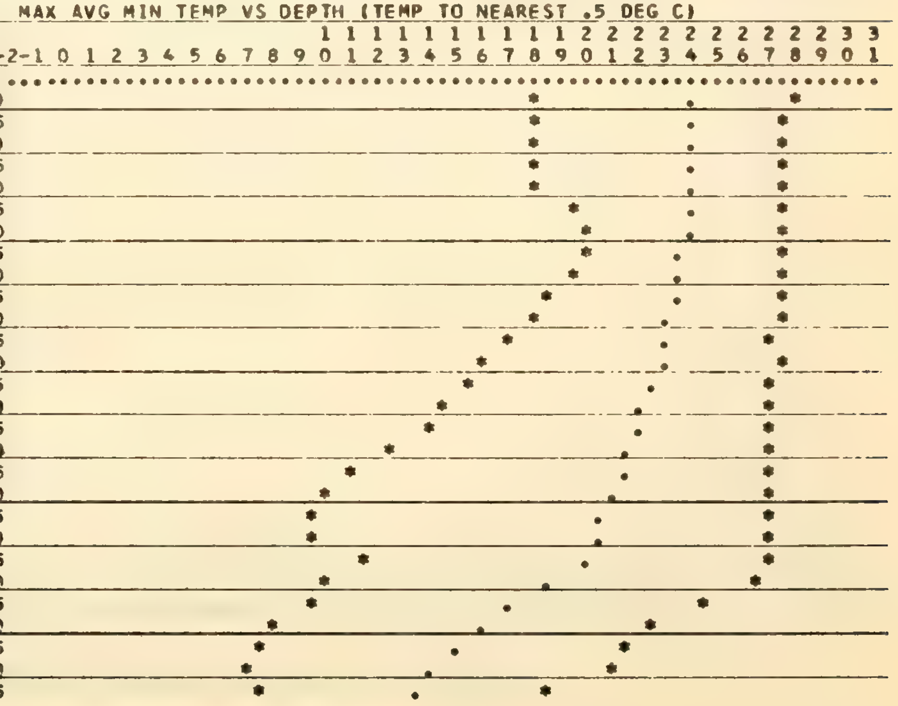


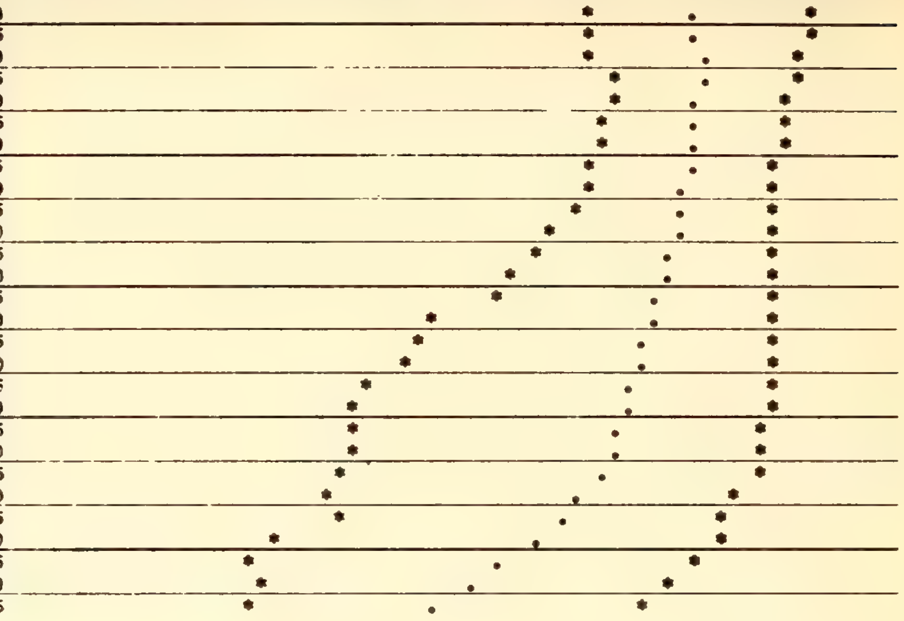
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13   MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.4	24.2	19.9	836	1.7	0.0	0.0	0.0	0
5	28.3	24.2	19.9	836	1.7	24.0	0.8	-36.0	5
10	27.9	24.3	19.9	804	1.6	28.0	1.6	-2.0	10
15	27.8	24.3	21.2	784	1.5	36.0	2.2	-4.0	15
20	27.7	24.2	21.0	745	1.5	32.0	2.6	-4.0	20
25	27.3	24.2	20.7	729	1.5	24.0	2.6	-2.0	25
30	27.3	24.0	20.4	728	1.6	32.0	3.0	-2.0	30
35	27.2	23.9	20.2	727	1.6	30.0	3.2	-2.0	35
40	27.1	23.7	19.8	725	1.6	26.0	3.5	-4.0	40
45	27.1	23.5	19.6	724	1.7	32.0	3.9	-16.0	45
50	27.1	23.3	18.6	719	1.7	32.0	3.5	-4.0	50
55	27.0	23.1	18.0	714	1.7	46.0	3.9	-6.0	55
60	26.9	22.9	16.8	712	1.8	36.0	4.3	-8.0	60
65	26.9	22.7	16.6	704	1.9	80.0	5.0	-6.0	65
70	26.9	22.5	14.2	698	2.0	60.0	5.4	-8.0	70
75	26.9	22.2	13.5	692	2.2	78.0	5.9	-10.0	75
80	26.9	21.9	12.8	686	2.3	44.0	5.9	-6.0	80
85	26.8	21.6	11.5	678	2.5	50.0	6.4	-10.0	85
90	26.8	21.3	11.2	660	2.6	52.0	6.4	-12.0	90
95	26.7	21.1	11.1	624	2.7	48.0	7.1	-4.0	95
100	26.7	20.8	11.0	624	2.9	72.0	7.2	-12.0	100
125	26.7	20.5	10.6	596	3.1	76.0	6.8	-12.0	125
150	25.3	19.7	10.0	433	3.2	26.8	6.2	-0.8	150
175	25.0	19.1	10.5	346	2.5	17.6	5.1	-0.4	175
200	24.8	17.8	7.9	338	2.5	17.6	5.5	0.0	200
225	24.1	16.7	7.2	331	2.5	16.8	4.8	0.8	225
250	23.1	15.7	7.3	308	2.5	14.0	4.7	0.4	250
275	22.2	14.2	6.8	253	2.3	12.4	4.5	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

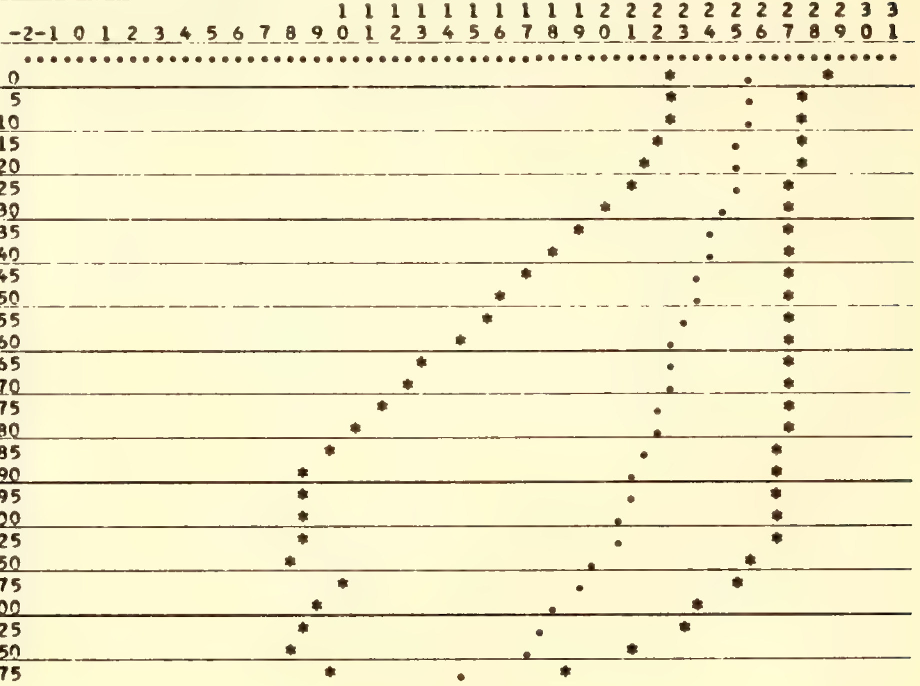


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13   MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.3	25.5	22.3	470	1.1	0.0	0.0	0.0	0
5	27.4	25.4	22.3	470	1.1	26.0	1.7	-4.0	5
10	27.3	25.3	22.3	470	1.1	26.0	2.3	-6.0	10
15	27.3	25.2	22.2	470	1.2	26.0	2.8	-2.0	15
20	27.3	25.0	21.7	469	1.3	38.0	4.1	-4.0	20
25	27.2	24.8	21.0	467	1.5	38.0	4.7	-4.0	25
30	27.1	24.5	20.2	466	1.6	44.0	5.6	-2.0	30
35	27.1	24.2	19.0	465	1.8	40.0	6.2	-4.0	35
40	27.1	23.8	17.8	465	2.0	42.0	6.4	-2.0	40
45	27.0	23.5	16.8	461	2.2	38.0	6.4	-2.0	45
50	27.0	23.3	16.1	456	2.3	40.0	5.9	-2.0	50
55	27.0	23.0	15.3	454	2.4	40.0	6.0	-2.0	55
60	27.0	22.7	14.7	451	2.6	68.0	6.4	-4.0	60
65	27.0	22.7	13.2	412	2.6	78.0	6.9	-2.0	65
70	27.0	22.4	12.4	408	2.8	76.0	6.7	-2.0	70
75	26.9	22.1	11.3	395	3.0	84.0	6.8	-4.0	75
80	26.9	21.9	10.4	386	3.2	62.0	6.9	-2.0	80
85	26.7	21.5	9.7	383	3.4	40.0	7.1	-4.0	85
90	26.5	21.2	8.5	376	3.6	134.0	7.5	-4.0	90
95	26.5	21.1	8.3	360	3.7	66.0	6.5	-2.0	95
100	26.5	20.7	8.3	360	3.8	34.0	6.5	-2.0	100
125	26.3	20.5	8.3	348	4.0	60.0	6.9	0.0	125
150	25.7	19.7	8.2	275	4.3	20.4	6.9	0.4	150
175	25.1	18.9	9.8	159	4.1	22.0	7.2	0.0	175
200	23.6	17.8	8.9	149	3.7	13.2	6.1	0.0	200
225	23.0	17.7	8.6	111	3.0	10.8	5.7	0.0	225
250	21.0	17.0	8.2	96	2.8	11.2	5.1	1.2	250
275	18.3	14.7	9.4	7	3.1	5.6	3.9	2.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

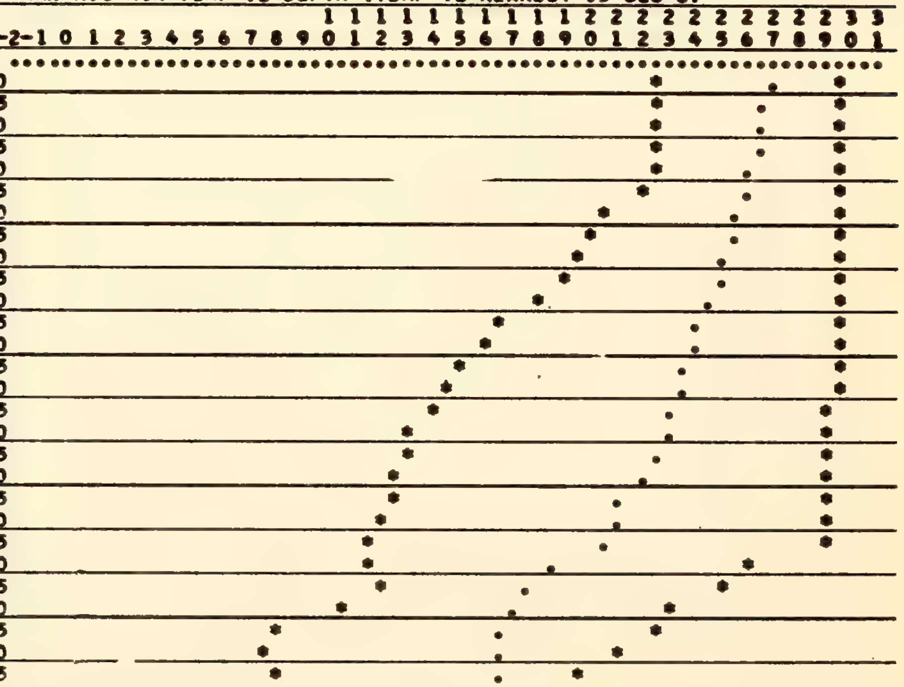


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13 MONTH 5

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	29.7	26.8	22.6	887	0.9	0.0	0.0	0.0	0
5	29.7	26.7	22.6	886	0.9	24.0	1.7	-8.0	5
10	29.6	26.6	22.5	883	0.9	36.0	2.3	-2.0	10
15	29.6	26.4	22.4	880	0.9	36.0	3.4	-2.0	15
20	29.6	26.2	22.4	848	1.0	42.0	3.9	-2.0	20
25	29.6	25.9	21.9	832	1.2	34.0	4.5	-2.0	25
30	29.6	25.7	20.7	781	1.4	38.0	5.1	-2.0	30
35	29.6	25.5	20.1	740	1.6	50.0	6.0	-2.0	35
40	29.6	25.1	19.7	691	1.8	30.0	6.5	-2.0	40
45	29.6	24.8	18.9	695	2.0	58.0	6.6	-2.0	45
50	29.5	24.5	17.8	679	2.2	54.0	6.6	-2.0	50
55	29.4	24.2	16.5	665	2.4	36.0	7.1	-2.0	55
60	29.4	23.8	15.8	660	2.6	40.0	7.4	-2.0	60
65	29.4	23.5	15.2	636	2.9	46.0	8.2	-2.0	65
70	29.3	23.3	14.6	606	2.8	40.0	7.2	-2.0	70
75	29.1	23.2	14.1	569	2.8	154.0	8.7	-2.0	75
80	29.1	22.8	12.9	554	3.0	124.0	9.0	-2.0	80
85	29.2	22.3	12.8	552	3.3	158.0	10.2	-18.0	85
90	29.2	21.8	12.7	547	3.6	166.0	10.4	-10.0	90
95	29.2	21.2	12.4	522	4.0	102.0	10.7	-2.0	95
100	29.1	20.8	11.8	522	4.2	94.0	9.0	-2.0	100
125	28.9	20.4	11.7	506	4.3	56.0	7.4	-4.0	125
150	25.9	19.5	11.7	420	4.3	24.0	7.4	-0.4	150
175	24.9	17.7	11.9	257	4.0	17.2	5.8	-0.4	175
200	23.0	17.0	10.4	215	3.6	12.4	4.4	-0.4	200
225	22.3	16.4	8.2	173	3.6	10.0	4.4	-0.4	225
250	21.0	16.6	7.4	116	3.1	15.2	3.6	-4.0	250
275	19.6	16.7	7.9	72	2.6	7.2	2.7	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13 MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	32.8	27.8	25.6	452	1.0	0.0	0.0	0.0	0
5	32.3	27.7	25.6	452	1.0	24.0	1.4	-6.0	5
10	32.1	27.6	25.3	452	1.0	30.0	1.8	-4.0	10
15	32.1	27.5	24.9	450	1.0	40.0	3.0	-4.0	15
20	32.1	27.3	24.2	440	1.1	34.0	4.5	-4.0	20
25	31.6	27.0	23.6	431	1.2	32.0	5.5	-2.0	25
30	30.4	26.6	22.8	424	1.3	38.0	7.4	-4.0	30
35	29.4	26.3	22.2	422	1.5	36.0	7.3	-32.0	35
40	29.1	25.9	21.2	419	1.6	74.0	7.9	-2.0	40
45	28.9	25.5	20.7	417	1.7	36.0	8.0	-8.0	45
50	28.9	25.1	20.1	414	1.8	36.0	7.8	-2.0	50
55	28.5	24.7	19.7	409	2.0	48.0	7.9	0.0	55
60	28.2	24.3	19.0	406	2.1	28.0	7.7	-2.0	60
65	28.1	23.9	17.0	398	2.3	40.0	7.9	-6.0	65
70	28.0	23.6	15.0	396	2.4	52.0	7.3	-36.0	70
75	28.0	23.2	13.4	389	2.6	58.0	7.5	0.0	75
80	27.9	22.9	12.5	379	2.8	72.0	7.4	-4.0	80
85	27.7	22.6	12.2	372	2.9	86.0	8.0	-2.0	85
90	27.2	22.3	12.1	360	3.1	102.0	7.0	-2.0	90
95	27.0	22.3	12.2	337	3.0	64.0	7.5	-2.0	95
100	26.8	21.9	12.2	337	3.1	76.0	7.6	-2.0	100
125	26.8	21.7	12.4	319	3.2	44.0	7.1	-2.0	125
150	25.4	20.0	11.6	288	3.7	28.8	7.8	0.0	150
175	24.7	19.5	10.5	206	3.6	21.2	7.0	1.2	175
200	22.9	18.3	8.7	190	3.5	32.0	5.9	0.0	200
225	21.9	17.5	9.8	141	3.3	30.8	4.9	0.0	225
250	20.7	17.3	9.1	109	2.8	7.6	3.7	0.8	250
275	20.5	16.6	8.3	80	2.6	6.4	3.2	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

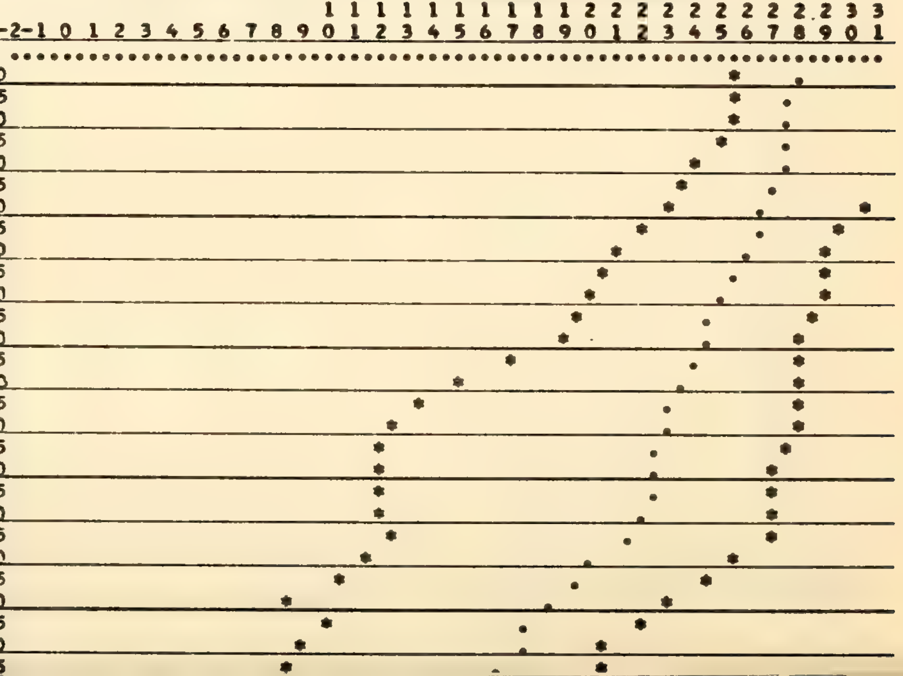
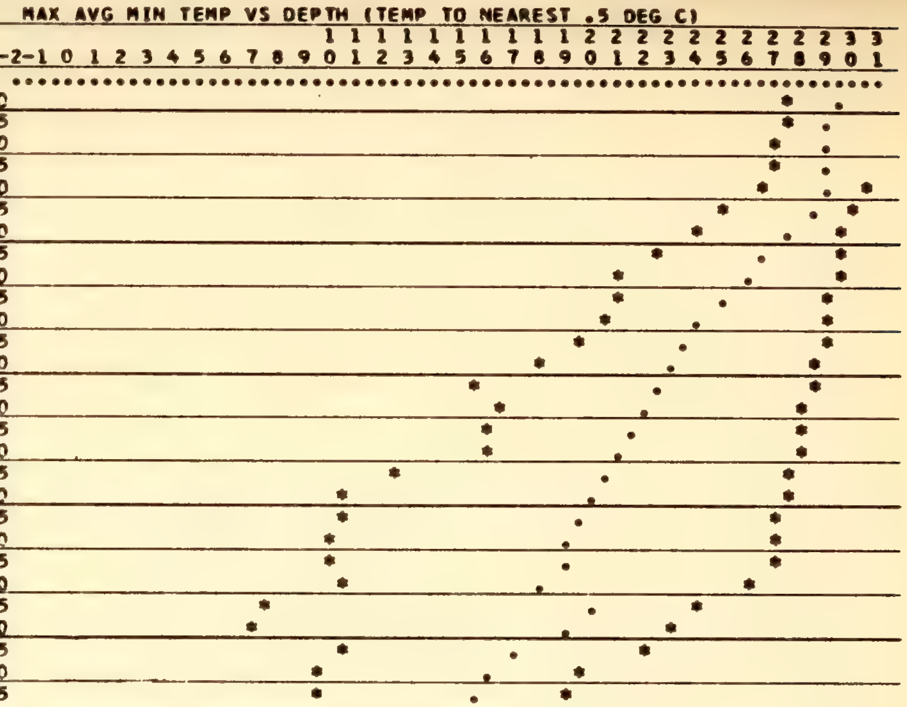


Table VI-1.--Continued

AREA 13 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	31.0	29.3	27.5	246	0.6	0.0	0.0	0.0	0
5	30.9	29.2	27.4	246	0.6	24.0	1.7	-4.0	5
10	30.9	29.1	27.2	245	0.6	12.0	1.6	-2.0	10
15	30.8	29.0	27.1	245	0.6	32.0	1.7	-2.0	15
20	30.6	28.9	26.5	243	0.6	24.0	3.3	-2.0	20
25	30.0	28.5	25.1	243	0.8	42.0	7.2	0.0	25
30	29.6	27.7	23.8	242	1.1	64.0	16.7	0.0	30
35	29.6	26.7	22.6	242	1.4	62.0	20.1	-2.0	35
40	29.4	25.8	21.2	241	1.7	54.0	16.9	0.0	40
45	29.1	25.0	20.8	239	2.0	62.0	16.2	0.0	45
50	28.9	24.2	20.6	238	2.2	58.0	15.3	0.0	50
55	28.8	23.6	19.7	230	2.5	80.0	14.1	0.0	55
60	28.6	22.9	18.2	226	2.8	64.0	13.5	-4.0	60
65	29.4	22.4	15.7	217	3.0	50.0	12.4	-2.0	65
70	28.2	21.9	16.7	215	3.1	44.0	11.6	0.0	70
75	27.9	21.4	16.2	213	3.3	48.0	10.2	0.0	75
80	27.8	20.9	15.9	209	3.4	66.0	9.3	0.0	80
85	27.7	20.5	12.6	207	3.6	68.0	10.1	0.0	85
90	27.4	20.0	10.7	205	3.8	46.0	9.0	0.0	90
95	27.2	19.6	10.3	201	3.9	40.0	9.1	0.0	95
100	27.2	19.2	10.2	201	4.0	40.0	8.4	-4.0	100
125	27.1	18.9	10.2	195	4.1	26.0	7.9	-2.0	125
150	25.8	17.9	10.4	133	4.8	20.4	7.3	2.8	150
175	24.1	20.1	7.3	70	3.8	14.8	6.1	2.4	175
200	22.9	18.8	7.0	63	3.6	17.6	5.8	1.2	200
225	22.2	17.1	10.7	46	3.2	15.2	5.3	2.0	225
250	19.4	16.1	9.4	41	3.2	11.6	4.4	1.6	250
275	19.8	15.4	9.4	18	3.3	6.0	3.2	2.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	31.7	29.2	27.1	402	0.6	0.0	0.0	0.0	0
5	31.4	29.2	27.0	402	0.6	24.0	1.2	-4.0	5
10	31.3	29.1	25.4	402	0.7	80.0	1.6	-4.0	10
15	31.1	29.0	24.3	398	0.8	106.0	2.4	-4.0	15
20	30.7	28.9	23.5	392	0.8	60.0	2.5	-4.0	20
25	30.4	28.7	23.0	386	0.9	54.0	3.9	-2.0	25
30	30.2	28.4	21.5	380	1.1	66.0	6.7	-2.0	30
35	30.1	27.9	20.4	369	1.4	60.0	8.8	-2.0	35
40	29.9	27.4	19.5	350	1.6	64.0	11.3	-2.0	40
45	29.6	26.8	17.0	350	1.9	76.0	12.8	-2.0	45
50	29.6	26.1	16.3	346	2.2	94.0	13.7	-6.0	50
55	29.6	25.3	15.9	341	2.6	142.0	15.1	-2.0	55
60	29.4	24.6	15.4	340	2.8	82.0	14.4	0.0	60
65	29.3	24.1	14.8	302	3.0	82.0	13.4	0.0	65
70	29.3	23.4	14.1	300	3.3	88.0	13.5	0.0	70
75	29.2	22.9	13.6	293	3.5	110.0	12.3	-12.0	75
80	29.0	22.4	13.2	283	3.6	70.0	12.2	0.0	80
85	28.6	21.8	12.3	278	3.8	78.0	12.1	0.0	85
90	28.3	21.3	11.6	273	3.9	92.0	12.1	0.0	90
95	27.8	20.7	10.8	262	4.0	66.0	11.6	0.0	95
100	27.2	20.2	10.4	262	4.1	60.0	11.0	0.0	100
125	26.7	19.8	9.8	251	4.2	46.0	10.2	0.0	125
150	26.2	18.6	8.7	195	4.3	24.4	8.4	1.2	150
175	25.7	18.8	9.9	124	4.0	23.2	6.7	0.4	175
200	24.1	17.5	8.8	115	4.1	13.2	5.6	1.6	200
225	22.9	16.7	7.7	105	4.1	16.8	4.7	0.4	225
250	21.6	15.9	6.1	95	4.1	10.0	3.7	0.0	250
275	20.3	15.6	7.5	67	3.9	9.6	3.4	0.0	275

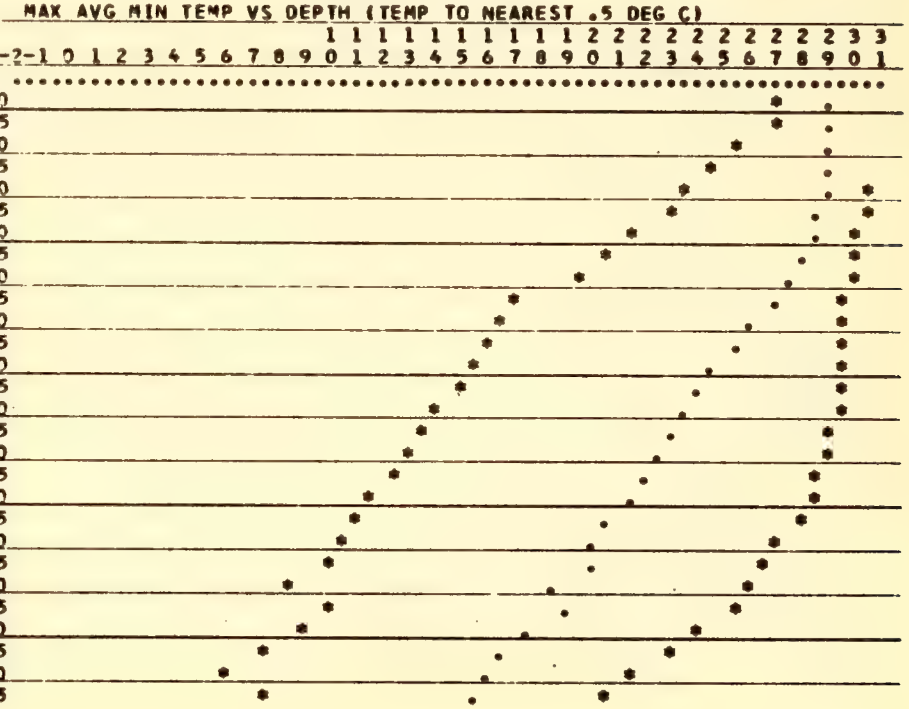
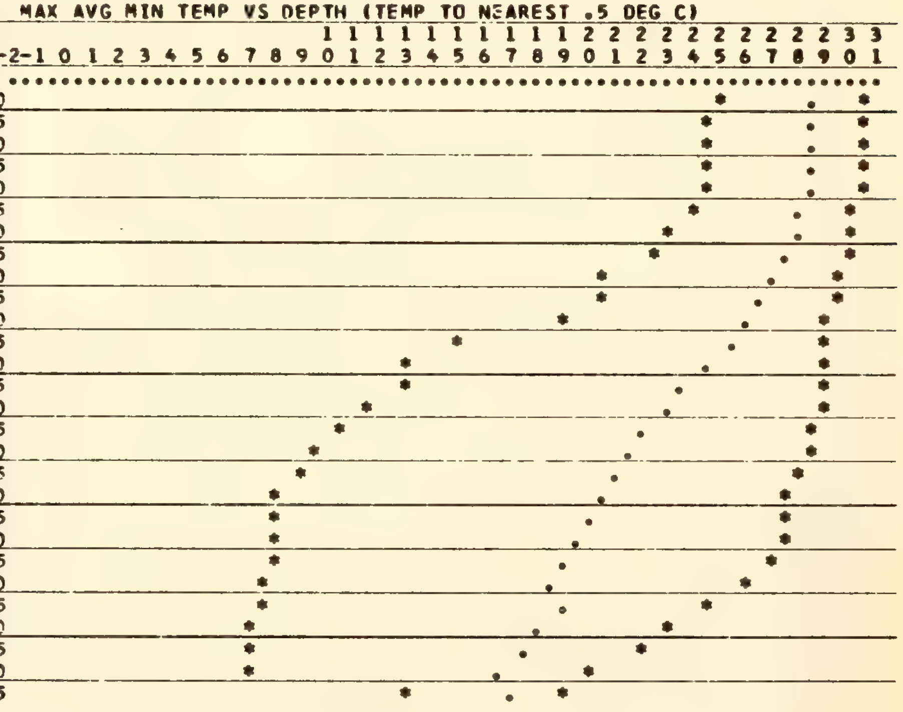


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13 MONTH 9

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	30.6	28.5	24.9	290	0.8	0.0	0.0	0.0	0
5	30.5	28.5	24.7	290	0.9	14.0	0.9	-10.0	5
10	30.5	28.4	24.5	290	0.9	10.0	0.8	-6.0	10
15	30.5	28.4	24.4	290	0.9	14.0	1.0	-4.0	15
20	30.6	28.3	24.3	289	0.9	28.0	1.3	-4.0	20
25	29.9	28.2	24.1	285	1.0	38.0	2.2	-2.0	25
30	29.8	27.9	22.8	283	1.1	64.0	5.4	-6.0	30
35	29.9	27.6	22.3	278	1.3	54.0	7.0	-12.0	35
40	29.6	27.2	20.7	275	1.6	50.0	8.7	-6.0	40
45	29.3	26.6	20.3	273	1.8	40.0	10.4	-4.0	45
50	29.2	26.0	19.1	264	2.2	46.0	11.3	-2.0	50
55	29.2	25.3	15.2	262	2.7	96.0	15.0	-2.0	55
60	29.2	24.4	13.2	262	3.4	102.0	17.1	-8.0	60
65	29.2	23.6	12.9	253	4.0	100.0	17.4	0.0	65
70	28.9	22.9	11.7	249	4.5	78.0	14.7	0.0	70
75	28.5	22.1	10.6	247	4.8	92.0	14.6	0.0	75
80	28.3	21.5	9.4	241	5.2	90.0	13.6	0.0	80
85	28.1	20.8	8.9	239	5.4	108.0	13.2	-2.0	85
90	27.7	20.3	8.1	234	5.7	66.0	11.9	0.0	90
95	27.6	19.8	7.9	225	5.8	78.0	11.6	0.0	95
100	27.5	19.3	7.8	225	6.0	120.0	9.7	2.0	100
125	27.2	19.1	7.8	213	6.0	66.0	9.5	0.0	125
150	26.2	18.5	7.6	163	5.6	32.8	8.3	0.4	150
175	24.6	18.9	7.6	104	5.1	27.6	7.5	0.0	175
200	22.9	18.0	6.9	96	4.6	20.8	6.5	0.0	200
225	21.8	17.4	6.8	87	3.7	14.8	5.5	0.4	225
250	20.2	16.7	6.9	78	3.3	10.0	4.6	0.4	250
275	19.1	17.1	12.8	22	1.9	6.4	3.2	0.4	275


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13 MONTH 10

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	29.7	27.6	25.2	201	0.9	0.0	0.0	0.0	0
5	29.4	27.6	25.2	201	0.9	10.0	0.2	-2.0	5
10	29.3	27.6	25.1	201	0.9	6.0	0.0	-2.0	10
15	29.3	27.6	25.1	200	0.9	12.0	0.4	-4.0	15
20	29.3	27.6	25.1	198	0.9	16.0	0.7	-2.0	20
25	29.3	27.5	25.1	194	0.9	28.0	1.2	-4.0	25
30	29.3	27.2	24.6	178	1.0	50.0	2.6	-4.0	30
35	29.3	27.0	24.0	173	1.0	48.0	4.8	-4.0	35
40	29.3	26.6	23.0	171	1.3	54.0	7.7	-10.0	40
45	29.3	26.1	22.7	168	1.6	56.0	9.9	-2.0	45
50	29.3	25.5	18.3	164	2.0	110.0	11.6	-2.0	50
55	29.3	25.0	16.9	159	2.4	84.0	11.6	-6.0	55
60	29.3	24.4	15.1	158	2.7	94.0	12.0	-6.0	60
65	28.9	23.7	14.4	153	3.0	226.0	13.5	-2.0	65
70	28.8	23.2	14.1	153	3.1	40.0	8.8	-224.0	70
75	28.7	22.7	13.9	149	3.3	76.0	10.9	0.0	75
80	28.7	22.3	13.7	144	3.3	62.0	10.4	0.0	80
85	28.6	21.9	13.4	139	3.4	46.0	9.4	0.0	85
90	28.3	21.4	13.3	137	3.4	48.0	10.1	0.0	90
95	28.1	21.1	13.1	129	3.4	36.0	9.6	0.0	95
100	27.9	20.6	12.8	129	3.4	60.0	9.5	2.0	100
125	27.8	20.2	12.7	125	3.4	30.0	10.1	0.0	125
150	27.2	18.2	10.2	92	3.8	25.2	8.8	2.4	150
175	25.5	18.1	11.8	40	4.0	16.0	9.2	2.0	175
200	23.2	17.2	9.6	33	3.8	11.2	7.2	3.6	200
225	21.9	16.3	7.7	29	3.7	11.6	6.2	2.8	225
250	20.4	15.8	7.6	24	3.2	10.0	4.8	0.4	250
275	18.8	14.0	7.3	13	3.8	9.6	4.4	0.8	275

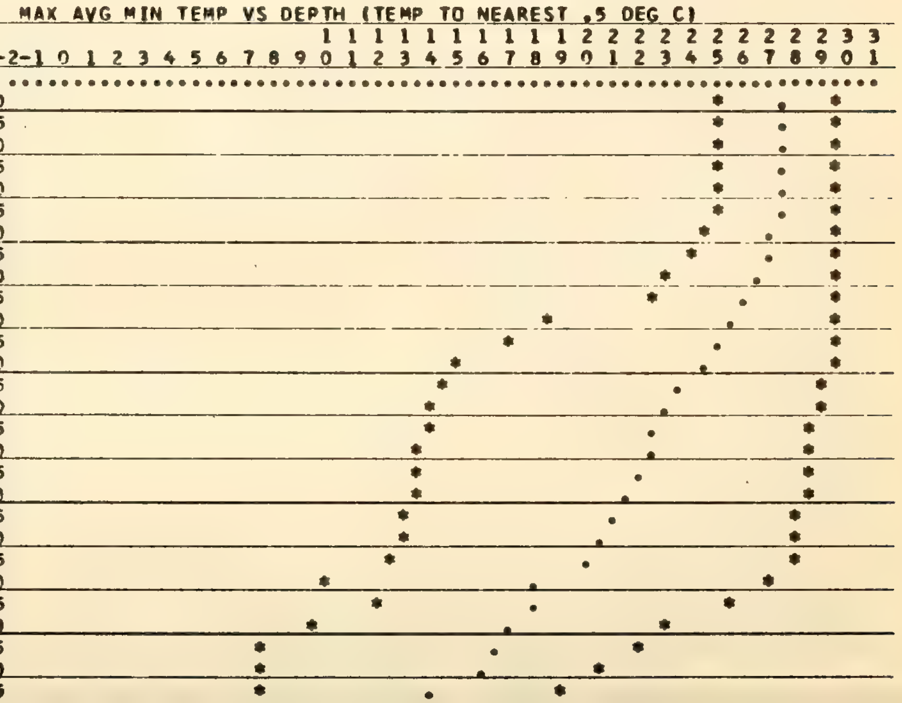
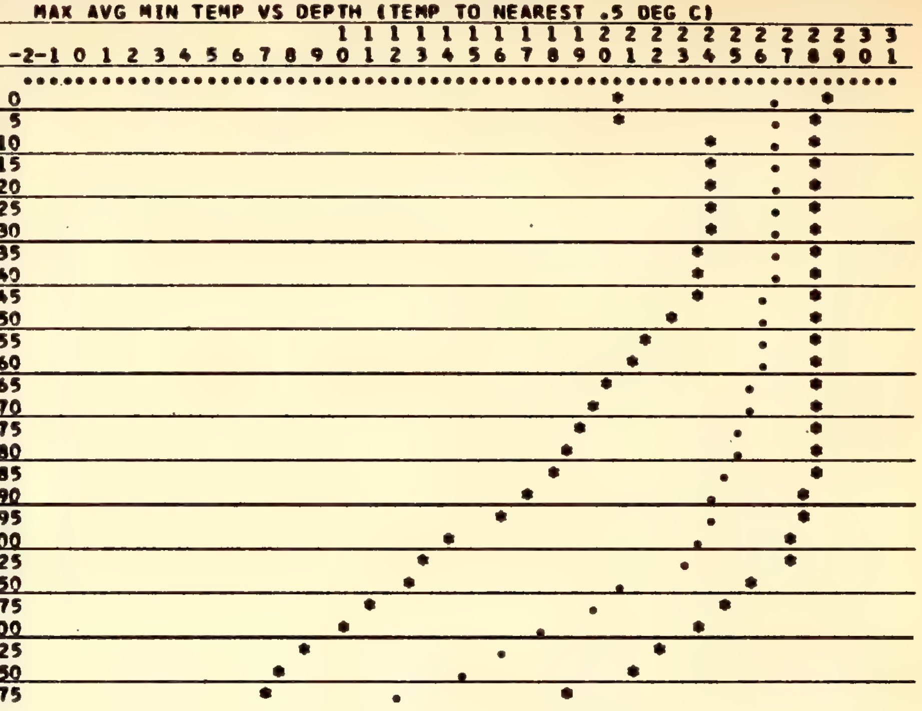

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.6	26.4	20.4	693	0.7	0.0	0.0	0.0	0
5	28.2	26.4	20.3	693	0.7	12.0	0.3	-4.0	5
10	28.2	26.4	23.9	691	0.6	10.0	0.2	-4.0	10
15	28.2	26.4	23.9	691	0.6	12.0	0.3	-4.0	15
20	28.2	26.4	23.9	689	0.6	8.0	0.3	-4.0	20
25	28.2	26.4	23.9	685	0.6	14.0	0.4	-4.0	25
30	28.2	26.3	23.9	683	0.6	10.0	0.5	-4.0	30
35	28.2	26.3	23.7	677	0.7	20.0	0.6	-2.0	35
40	28.2	26.3	23.5	675	0.7	28.0	0.8	-2.0	40
45	28.2	26.2	23.3	672	0.7	32.0	1.4	-10.0	45
50	28.2	26.1	22.4	668	0.8	40.0	2.2	-2.0	50
55	28.2	26.0	21.7	667	1.0	52.0	3.0	-4.0	55
60	28.1	25.8	20.8	662	1.2	76.0	3.2	-6.0	60
65	27.9	25.6	20.1	659	1.4	52.0	3.9	-76.0	65
70	27.8	25.4	19.5	657	1.6	34.0	4.4	-6.0	70
75	27.8	25.2	19.1	653	1.9	40.0	5.0	-4.0	75
80	27.8	24.9	18.5	648	2.1	40.0	5.3	-2.0	80
85	27.8	24.6	17.8	646	2.3	46.0	6.7	-4.0	85
90	27.6	24.2	16.8	639	2.4	74.0	8.0	-2.0	90
95	27.3	23.8	16.1	623	2.5	124.0	9.5	-6.0	95
100	27.1	23.3	14.0	623	2.6	82.0	9.0	-2.0	100
125	26.9	22.9	13.1	605	2.7	110.0	9.3	-2.0	125
150	25.7	20.7	12.6	537	2.6	26.8	9.8	1.6	150
175	24.5	19.3	11.1	384	2.3	32.0	8.7	0.4	175
200	23.3	17.5	10.2	378	2.1	21.6	7.5	-0.4	200
225	21.9	15.9	8.3	351	2.0	18.4	7.2	0.8	225
250	21.1	14.3	7.4	317	2.1	15.2	6.8	0.4	250
275	18.5	11.8	6.8	160	2.3	21.2	9.2	1.6	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.9	24.6	20.5	282	1.2	0.0	0.0	0.0	0
5	28.0	24.6	20.5	282	1.2	10.0	0.2	-6.0	5
10	28.0	24.6	20.5	281	1.2	4.0	0.3	-6.0	10
15	28.1	24.6	20.8	279	1.2	92.0	0.5	-6.0	15
20	28.0	24.8	20.8	262	1.0	20.0	-0.0	-90.0	20
25	28.0	24.9	21.3	251	0.9	22.0	0.3	-2.0	25
30	27.8	25.0	22.3	241	0.8	8.0	0.4	-2.0	30
35	27.0	25.0	22.3	237	0.7	16.0	0.5	-2.0	35
40	26.7	25.0	22.3	235	0.7	16.0	0.6	-2.0	40
45	26.7	25.0	27.3	234	0.7	10.0	0.5	-2.0	45
50	26.7	24.9	22.2	233	0.7	18.0	0.5	0.0	50
55	26.7	24.9	22.2	233	0.7	22.0	0.7	0.0	55
60	26.7	24.9	22.0	233	0.7	22.0	0.8	-2.0	60
65	26.7	24.8	21.8	232	0.7	24.0	1.1	-2.0	65
70	26.7	24.7	20.6	231	0.8	28.0	1.9	0.0	70
75	26.7	24.6	19.9	231	1.0	32.0	1.8	-2.0	75
80	26.7	24.5	17.4	229	1.2	50.0	2.0	-2.0	80
85	26.7	24.4	16.6	229	1.3	28.0	2.0	-2.0	85
90	26.7	24.4	15.8	226	1.5	46.0	2.1	-2.0	90
95	26.7	24.3	14.9	221	1.7	74.0	2.1	-2.0	95
100	26.7	24.1	14.2	221	1.8	32.0	3.0	0.0	100
125	26.7	24.0	14.4	218	1.8	30.0	4.2	0.0	125
150	26.5	22.8	12.3	210	2.1	16.0	5.3	0.4	150
175	25.6	21.6	13.9	199	1.4	14.0	6.2	-7.6	175
200	24.2	20.2	12.7	197	1.6	22.8	5.6	1.6	200
225	21.9	19.0	10.1	194	1.7	20.8	4.8	2.0	225
250	20.6	18.0	8.5	181	1.8	14.0	3.9	0.4	250
275	19.2	17.0	8.1	115	2.2	19.6	4.0	1.2	275

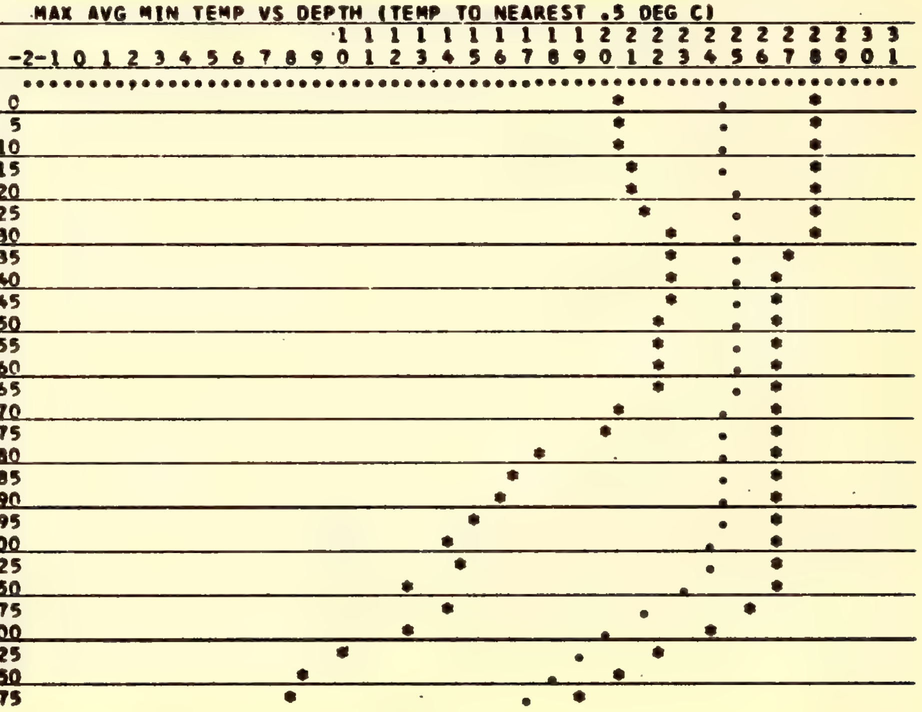


Table VI-1.—Continued

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                          NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13A   MONTH  1
                                                               MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                     1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                      GRADIENT           -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN   NUM  SDEV      MAX   AVG   MIN       ....................................................................
     0 25.8  25.2  24.6    2  0.8       0.0   0.0   0.0    0                                                        *. *
     5 25.8  25.2  24.6    2  0.8       0.0   0.0   0.0    5                                                        *. *
    10 25.8  25.2  24.6    2  0.8       0.0   0.0   0.0   10                                                        *. *
    15 25.8  25.2  24.6    2  0.8       0.0   0.0   0.0   15                                                        *. *
    20 25.7  25.1  24.6    2  0.7       2.0   1.0   0.0   20                                                        *.*
    25 25.7  25.1  24.6    2  0.7       0.0   0.0   0.0   25                                                        *.*
    30 25.7  25.1  24.6    2  0.7       0.0   0.0   0.0   30                                                        *.*
    35 25.6  25.1  24.6    2  0.7       2.0   1.0   0.0   35                                                        *.*
    40 25.6  25.1  24.6    2  0.7       0.0   0.0   0.0   40                                                        *.*
    45 25.7  25.1  24.6    2  0.7       0.0  -1.0  -2.0   45                                                        *.*
    50 25.7  25.1  24.6    2  0.7       0.0   0.0   0.0   50                                                        *.*
    55 25.7  25.1  24.6    2  0.7       0.0   0.0   0.0   55                                                        *.*
    60 25.7  25.1  24.6    2  0.7       0.0   0.0   0.0   60                                                        *.*
    65 25.7  25.1  24.6    2  0.7       0.0   0.0   0.0   65                                                        *.*
    70 25.7  25.1  24.6    2  0.7       0.0   0.0   0.0   70                                                        *.*
    75 24.6  24.6  24.6    1  0.0       0.0   0.0   0.0   75                                                        .
    80 24.6  24.6  24.6    1  0.0       0.0   0.0   0.0   80                                                        .
    85 24.6  24.6  24.6    1  0.0       0.0   0.0   0.0   85                                                        .
    90 24.6  24.6  24.6    1  0.0       0.0   0.0   0.0   90                                                        .
    95 24.6  24.6  24.6    1  0.0       0.0   0.0   0.0   95                                                        .
   100 24.6  24.6  24.6    1  0.0       0.0   0.0   0.0  100                                                        .

                          NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13A   MONTH  2
                                                               MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                     1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                      GRADIENT           -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN   NUM  SDEV      MAX   AVG   MIN       ....................................................................
     0 25.3  24.3  23.9    5  0.5       0.0   0.0   0.0    0                                                       *. *
     5 25.3  24.3  23.9    5  0.5       0.0   0.0   0.0    5                                                       *. *
    10 25.3  24.3  23.9    5  0.5       0.0   0.0   0.0   10                                                       *. *
    15 25.2  24.3  23.9    5  0.5       2.0   0.4   0.0   15                                                       *.*
    20 25.2  24.3  23.9    5  0.5       0.0   0.0   0.0   20                                                       *.*
    25 25.1  24.3  23.9    5  0.4       2.0   0.4   0.0   25                                                       *.*
    30 25.1  24.3  23.8    5  0.4       2.0   0.4   0.0   30                                                       *.*
    35 25.1  24.3  23.8    5  0.4       0.0   0.0   0.0   35                                                       *.*
    40 25.1  24.2  23.8    5  0.5       2.0   0.4   0.0   40                                                       . *
    45 25.1  24.2  23.8    5  0.5       0.0   0.0   0.0   45                                                       . *
    50 25.1  24.2  23.8    5  0.5       0.0   0.0   0.0   50                                                       . *
    55 25.1  24.2  23.8    5  0.5       0.0   0.0   0.0   55                                                       . *
    60 25.1  24.2  23.8    5  0.5       2.0   0.4   0.0   60                                                       . *
    65 25.1  24.2  23.8    5  0.5       0.0   0.0   0.0   65                                                       . *
    70 25.1  24.2  23.8    5  0.5       2.0   0.4   0.0   70                                                       . *
    75 25.1  24.2  23.7    5  0.5       2.0   0.4   0.0   75                                                      *. *
    80 25.1  24.2  23.6    5  0.5       2.0   0.4   0.0   80                                                      *. *
    85 25.1  24.1  23.7    5  0.5       2.0   0.4  -2.0   85                                                      *. *
    90 25.0  24.1  23.7    5  0.5       2.0   0.8   0.0   90                                                      *. *
    95 24.9  24.0  23.6    5  0.4       2.0   1.2   0.0   95                                                      *. *
   100 24.9  24.0  23.6    5  0.5       2.0   0.4   0.0  100                                                      *. *
   125 24.4  23.7  23.4    5  0.4       2.8   1.4   0.4  125                                                      . *
   150 23.2  23.1  23.1    3  0.0       2.4   1.5   0.8  150                                                     .
   175 22.7  22.2  21.7    2  0.7       6.0   3.8   1.6  175                                                  *.*
   200 21.1  20.6  20.1    2  0.7       6.4   6.4   6.4  200                                               *.*
   225 20.2  19.6  19.1    2  0.7       4.0   3.8   3.6  225                                             *.*
   250 18.4  18.3  18.3    2  0.0       7.2   5.2   3.2  250                                            .
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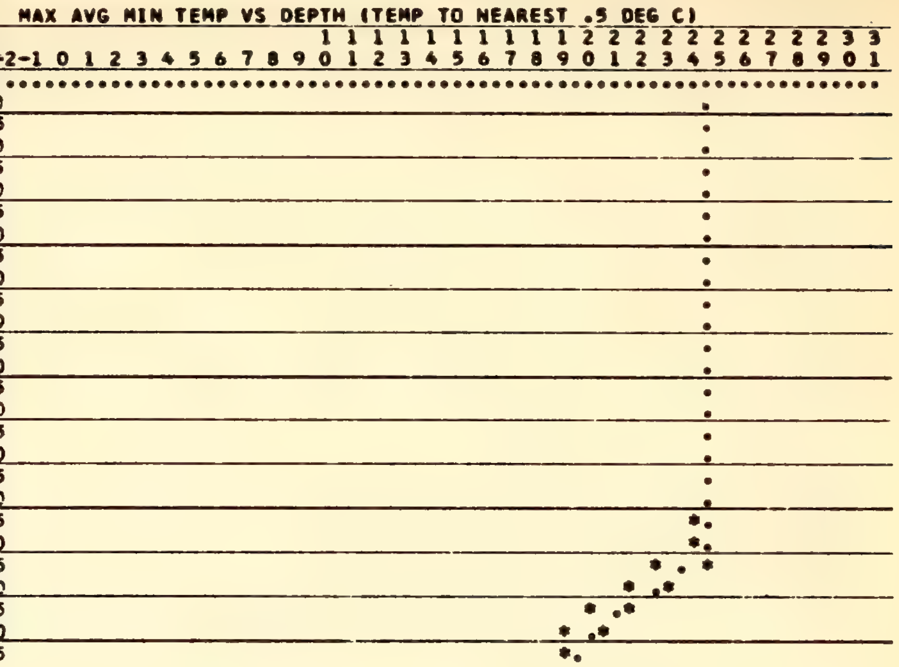
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13A MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.7	24.6	24.5	3	0.1	0.0	0.0	0.0	0
5	24.7	24.6	24.5	3	0.1	0.0	0.0	0.0	5
10	24.7	24.6	24.5	3	0.1	0.0	0.0	0.0	10
15	24.7	24.5	24.5	3	0.1	2.0	0.7	0.0	15
20	24.7	24.5	24.5	3	0.1	0.0	0.0	0.0	20
25	24.7	24.5	24.5	3	0.1	0.0	0.0	0.0	25
30	24.7	24.5	24.5	3	0.1	0.0	0.0	0.0	30
35	24.7	24.5	24.5	3	0.1	0.0	0.0	0.0	35
40	24.7	24.5	24.5	3	0.1	0.0	0.0	0.0	40
45	24.7	24.5	24.5	3	0.1	0.0	0.0	0.0	45
50	24.7	24.5	24.5	3	0.1	0.0	0.0	0.0	50
55	24.7	24.5	24.5	3	0.1	0.0	0.0	0.0	55
60	24.7	24.5	24.5	3	0.1	0.0	0.0	0.0	60
65	24.7	24.5	24.5	3	0.1	0.0	0.0	0.0	65
70	24.7	24.5	24.5	3	0.1	0.0	0.0	0.0	70
75	24.7	24.5	24.5	3	0.1	0.0	0.0	0.0	75
80	24.7	24.5	24.4	3	0.1	2.0	0.7	0.0	80
85	24.7	24.5	24.4	3	0.1	0.0	0.0	0.0	85
90	24.7	24.5	24.3	3	0.2	2.0	0.7	0.0	90
95	24.7	24.4	24.1	3	0.3	4.0	1.3	0.0	95
100	24.7	24.3	23.9	3	0.4	4.0	1.3	0.0	100
125	24.3	23.4	22.5	3	0.9	5.6	3.6	0.8	125
150	23.1	22.3	21.6	3	0.7	5.6	4.7	3.6	150
175	21.7	20.8	19.8	3	0.9	7.2	6.0	5.2	175
200	20.6	19.8	19.1	3	0.7	4.4	3.9	2.8	200
225	19.6	19.3	19.0	2	0.4	4.0	3.6	3.2	225


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13A MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.4	25.9	25.5	2	0.6	0.0	0.0	0.0	0
5	26.4	25.9	25.4	2	0.7	2.0	1.0	0.0	5
10	26.5	25.9	25.3	2	0.8	2.0	0.0	-2.0	10
15	26.5	25.9	25.3	2	0.8	0.0	0.0	0.0	15
20	26.5	25.9	25.3	2	0.8	0.0	0.0	0.0	20
25	26.6	25.9	25.3	2	0.9	0.0	-1.0	-2.0	25
30	26.6	25.9	25.3	2	0.9	0.0	0.0	0.0	30
35	26.6	25.9	25.3	2	0.9	0.0	0.0	0.0	35
40	26.6	26.0	25.4	2	0.8	0.0	-1.0	-2.0	40
45	26.6	26.0	25.4	2	0.8	0.0	0.0	0.0	45
50	26.7	26.0	25.4	2	0.9	0.0	-1.0	-2.0	50
55	26.7	26.0	25.4	2	0.9	0.0	0.0	0.0	55
60	26.7	26.0	25.3	2	0.9	2.0	1.0	0.0	60
65	26.7	25.9	25.1	2	1.1	4.0	2.0	0.0	65
70	26.7	25.9	25.1	2	1.1	0.0	0.0	0.0	70
75	26.6	25.8	25.1	2	1.0	2.0	1.0	0.0	75
80	26.5	25.8	25.1	2	0.9	2.0	1.0	0.0	80
85	26.2	25.6	25.0	2	0.8	6.0	4.0	2.0	85
90	25.4	25.2	25.0	2	0.2	16.0	8.0	0.0	90
95	25.2	25.1	25.0	2	0.1	4.0	2.0	0.0	95
100	25.1	25.0	25.0	2	0.0	2.0	1.0	0.0	100
125	24.6	24.4	24.2	2	0.2	3.6	2.6	1.6	125
150	23.0	23.0	23.0	1	0.0	4.8	4.8	4.8	150
175	21.3	21.3	21.3	1	0.0	6.8	6.8	6.8	175
200	19.4	19.4	19.4	1	0.0	7.6	7.6	7.6	200
225	17.9	17.9	17.9	1	0.0	6.0	6.0	6.0	225
250	17.0	17.0	17.0	1	0.0	3.6	3.6	3.6	250

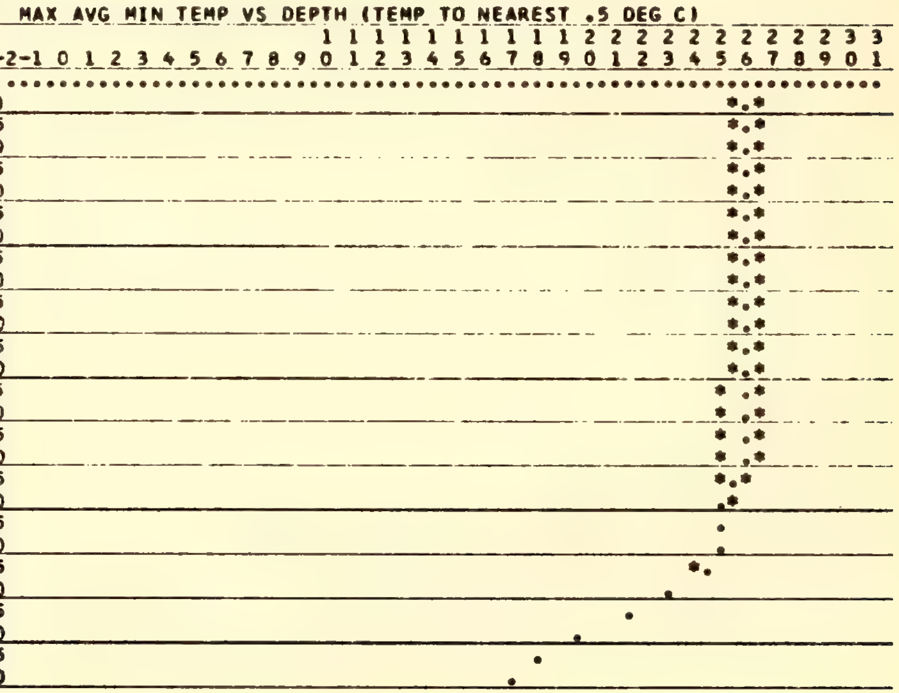

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

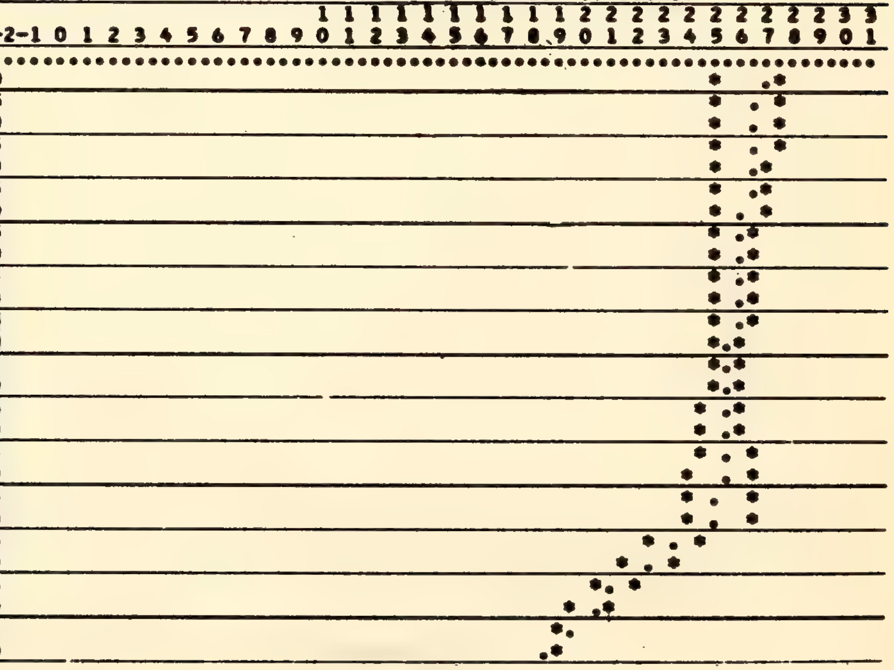
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13A MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.4	26.8	24.8	11	0.7	0.0	0.0	0.0	0
5	27.4	26.7	24.8	11	0.7	8.0	1.1	0.0	5
10	27.3	26.6	24.8	11	0.7	6.0	2.0	0.0	10
15	27.3	26.5	24.8	11	0.7	6.0	1.8	0.0	15
20	27.2	26.4	24.8	11	0.6	6.0	2.5	0.0	20
25	26.9	26.3	24.8	11	0.5	8.0	2.2	0.0	25
30	26.8	26.2	24.8	11	0.5	2.0	1.5	0.0	30
35	26.6	26.1	24.8	11	0.5	6.0	1.5	0.0	35
40	26.6	26.0	24.8	11	0.4	6.0	1.8	0.0	40
45	26.6	26.0	24.8	11	0.4	4.0	0.7	0.0	45
50	26.5	25.9	24.8	11	0.4	8.0	1.8	0.0	50
55	26.3	25.8	24.8	11	0.4	12.0	2.5	0.0	55
60	26.2	25.7	24.8	11	0.4	6.0	1.1	0.0	60
65	26.2	25.7	25.0	10	0.4	8.0	2.8	0.0	65
70	26.1	25.6	25.0	10	0.4	6.0	1.8	0.0	70
75	26.1	25.5	24.7	10	0.5	6.0	2.4	0.0	75
80	26.1	25.4	24.6	10	0.5	8.0	1.2	-2.0	80
85	26.5	25.4	24.3	10	0.7	6.0	1.4	-8.0	85
90	26.6	25.3	24.0	10	0.8	6.0	1.4	-2.0	90
95	26.7	25.2	23.8	10	0.9	10.0	2.0	-2.0	95
100	26.4	25.1	23.8	10	0.9	6.0	2.2	0.0	100
125	24.7	23.6	22.6	6	0.8	9.2	5.5	4.0	125
150	23.4	22.3	21.3	6	0.7	7.2	5.1	4.0	150
175	21.8	21.1	20.3	6	0.5	6.8	4.9	3.6	175
200	21.2	20.3	19.6	6	0.6	4.8	3.1	2.4	200
225	19.6	19.4	19.0	4	0.2	7.2	5.2	3.6	225
250	18.9	18.5	18.3	4	0.2	5.2	3.5	2.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13A MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.2	28.6	27.4	17	0.4	0.0	0.0	0.0	0
5	28.9	28.4	27.4	17	0.3	10.0	2.6	-2.0	5
10	28.7	28.3	27.4	17	0.3	10.0	2.5	0.0	10
15	28.6	28.2	27.3	17	0.2	8.0	2.4	0.0	15
20	28.5	28.1	27.2	17	0.2	4.0	1.6	0.0	20
25	28.4	28.1	27.2	17	0.2	4.0	0.8	0.0	25
30	28.4	28.0	27.2	17	0.2	4.0	1.1	0.0	30
35	28.4	27.9	27.2	17	0.3	14.0	2.6	0.0	35
40	28.4	27.7	26.8	17	0.3	12.0	3.4	0.0	40
45	28.4	27.5	26.6	17	0.4	8.0	3.6	0.0	45
50	28.3	27.4	26.4	17	0.4	8.0	3.2	0.0	50
55	28.2	27.2	25.9	17	0.5	16.0	4.0	2.0	55
60	27.9	27.0	25.6	17	0.5	8.0	3.5	0.0	60
65	27.7	26.8	25.2	17	0.5	8.0	3.6	0.0	65
70	27.5	26.6	25.1	17	0.5	10.0	3.4	0.0	70
75	27.3	26.5	24.9	17	0.5	4.0	2.5	0.0	75
80	27.3	26.4	24.9	17	0.5	10.0	1.6	0.0	80
85	27.1	26.3	24.7	17	0.5	8.0	2.9	-2.0	85
90	27.0	26.2	24.6	17	0.5	6.0	2.0	0.0	90
95	26.8	26.1	24.5	17	0.5	4.0	1.9	0.0	95
100	26.7	26.0	24.4	17	0.5	6.0	1.9	0.0	100
125	26.4	25.4	24.0	16	0.6	4.8	2.3	0.8	125
150	25.7	24.5	23.0	16	0.7	5.6	3.8	1.6	150
175	24.1	23.0	21.6	16	0.6	8.4	5.8	2.4	175
200	21.5	21.4	21.3	2	0.1	5.6	5.0	4.4	200
225	20.6	20.1	19.7	2	0.6	6.4	5.0	3.6	225
250	19.1	18.8	18.5	2	0.4	6.0	5.4	4.8	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

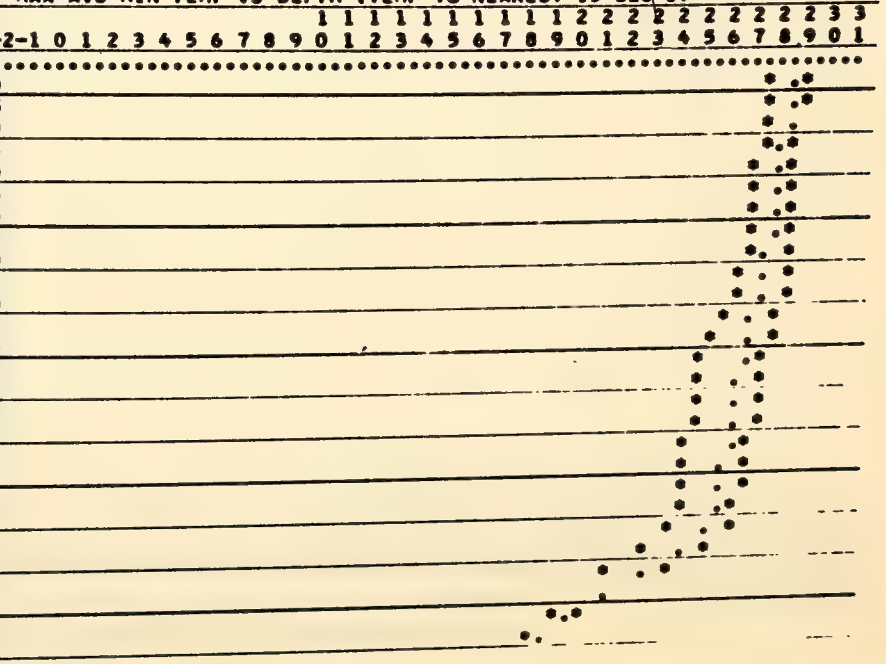


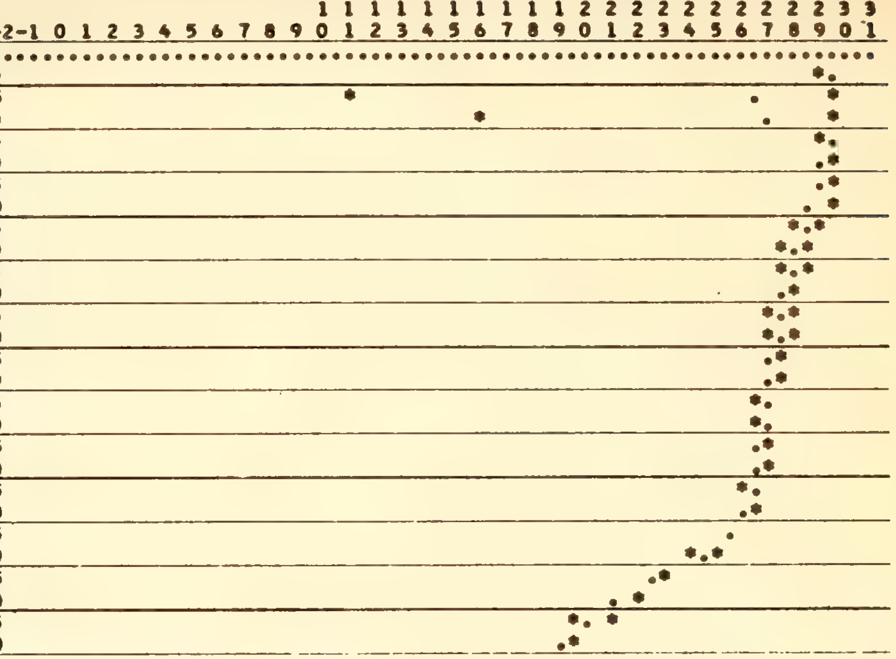
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13A MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.7	29.4	29.0	6	0.2	0.0	0.0	0.0	0
5	29.6	26.3	11.0	6	7.5	2.0	62.7	0.0	5
10	29.6	27.1	15.9	6	5.5	2.0	-16.0	-98.0	10
15	29.5	29.3	29.0	6	0.1	4.0	-43.6	-270.0	15
20	29.5	29.2	28.9	6	0.2	4.0	1.7	0.0	20
25	29.4	29.0	28.8	6	0.2	8.0	4.3	2.0	25
30	29.4	28.6	28.4	6	0.3	10.0	6.7	0.0	30
35	28.8	28.3	28.0	6	0.2	12.0	6.7	4.0	35
40	28.5	28.0	27.7	6	0.2	8.0	5.7	4.0	40
45	28.3	27.8	27.3	6	0.3	8.0	5.0	4.0	45
50	28.2	27.6	27.3	6	0.3	6.0	3.0	0.0	50
55	28.1	27.5	27.2	6	0.3	4.0	2.0	0.0	55
60	27.8	27.4	27.2	6	0.2	6.0	3.0	0.0	60
65	27.6	27.2	27.1	6	0.2	4.0	3.0	0.0	65
70	27.4	27.1	26.8	6	0.2	6.0	3.0	2.0	70
75	27.2	26.9	26.7	6	0.1	8.0	3.7	2.0	75
80	27.2	26.8	26.7	6	0.1	4.0	1.7	0.0	80
85	26.9	26.6	26.4	6	0.1	6.0	3.3	2.0	85
90	26.8	26.5	26.3	6	0.1	6.0	2.7	2.0	90
95	26.7	26.4	26.2	6	0.2	4.0	2.7	0.0	95
100	26.6	26.2	26.1	6	0.1	4.0	3.0	2.0	100
125	25.6	25.4	25.3	6	0.1	4.0	3.1	2.0	125
150	24.8	24.4	23.8	6	0.4	6.0	4.3	3.2	150
175	23.1	22.7	22.3	6	0.3	8.4	6.8	6.0	175
200	21.8	21.2	20.9	5	0.3	8.4	6.0	5.2	200
225	20.9	20.0	19.6	4	0.5	5.2	4.6	3.6	225
250	19.4	19.0	18.8	4	0.2	6.0	4.2	3.2	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

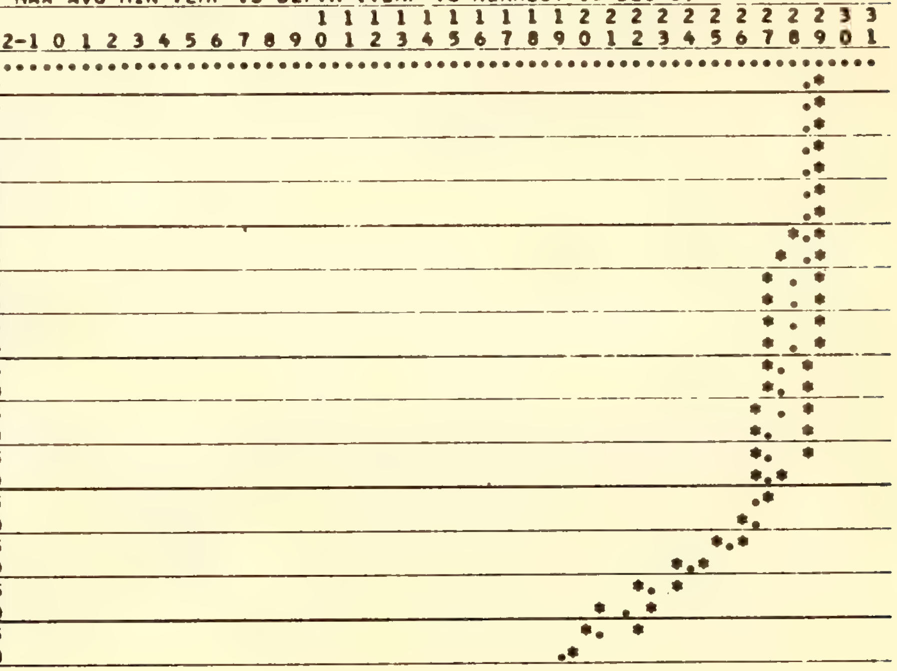


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13A MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.1	28.7	28.5	6	0.2	0.0	0.0	0.0	0
5	29.1	28.7	28.5	6	0.2	0.0	0.0	0.0	5
10	29.1	28.7	28.5	6	0.2	0.0	0.0	0.0	10
15	29.1	28.7	28.5	6	0.2	0.0	0.0	0.0	15
20	29.1	28.7	28.5	6	0.2	0.0	0.0	0.0	20
25	29.1	28.7	28.5	6	0.2	0.0	0.0	0.0	25
30	29.1	28.6	28.4	6	0.2	4.0	1.0	0.0	30
35	29.1	28.5	27.9	6	0.4	10.0	2.7	0.0	35
40	29.1	28.4	27.6	6	0.5	6.0	2.3	0.0	40
45	29.1	28.2	27.2	6	0.6	8.0	2.7	0.0	45
50	29.0	28.1	27.1	6	0.6	4.0	3.0	2.0	50
55	28.9	28.0	27.1	6	0.6	6.0	2.7	0.0	55
60	28.8	27.8	26.9	6	0.6	6.0	4.0	2.0	60
65	28.7	27.6	26.8	6	0.6	8.0	3.3	2.0	65
70	28.7	27.4	26.8	6	0.6	8.0	3.7	0.0	70
75	28.7	27.3	26.6	6	0.7	4.0	2.7	0.0	75
80	28.5	27.1	26.4	6	0.7	4.0	3.0	2.0	80
85	28.4	27.0	26.4	6	0.7	4.0	2.7	0.0	85
90	27.7	26.8	26.3	6	0.4	14.0	4.7	2.0	90
95	27.0	26.6	26.3	6	0.2	14.0	4.0	0.0	95
100	26.6	26.3	26.2	6	0.2	16.0	4.3	2.0	100
125	25.8	25.4	24.8	6	0.3	5.6	3.6	2.4	125
150	24.6	23.9	23.3	6	0.5	8.0	6.1	4.8	150
175	23.4	22.7	22.1	6	0.5	6.8	5.1	4.0	175
200	22.6	21.5	20.6	6	0.7	6.8	4.8	3.2	200
225	21.9	20.6	19.9	6	0.7	5.6	3.6	2.8	225
250	19.3	19.1	19.0	3	0.1	5.2	4.1	3.6	250

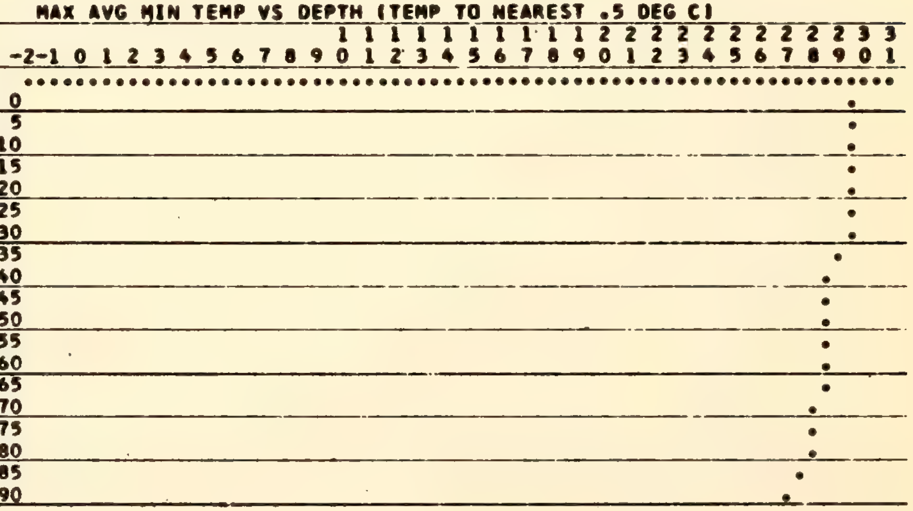
MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13A MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	
0	29.4	29.4	29.4	1	0.0	0.0	0.0	0.0	0
5	29.4	29.4	29.4	1	0.0	0.0	0.0	0.0	5
10	29.4	29.4	29.4	1	0.0	0.0	0.0	0.0	10
15	29.4	29.4	29.4	1	0.0	0.0	0.0	0.0	15
20	29.4	29.4	29.4	1	0.0	0.0	0.0	0.0	20
25	29.4	29.4	29.4	1	0.0	0.0	0.0	0.0	25
30	29.3	29.3	29.3	1	0.0	2.0	2.0	2.0	30
35	28.9	28.9	28.9	1	0.0	8.0	8.0	8.0	35
40	28.7	28.7	28.7	1	0.0	4.0	4.0	4.0	40
45	28.5	28.5	28.5	1	0.0	4.0	4.0	4.0	45
50	28.4	28.4	28.4	1	0.0	2.0	2.0	2.0	50
55	28.4	28.4	28.4	1	0.0	0.0	0.0	0.0	55
60	28.3	28.3	28.3	1	0.0	2.0	2.0	2.0	60
65	28.3	28.3	28.3	1	0.0	0.0	0.0	0.0	65
70	28.1	28.1	28.1	1	0.0	4.0	4.0	4.0	70
75	27.9	27.9	27.9	1	0.0	4.0	4.0	4.0	75
80	27.9	27.9	27.9	1	0.0	0.0	0.0	0.0	80
85	27.7	27.7	27.7	1	0.0	4.0	4.0	4.0	85
90	27.2	27.2	27.2	1	0.0	10.0	10.0	10.0	90



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 13A MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	
0	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	0
5	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	5
10	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	10
15	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	15
20	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	20
25	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	25
30	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	30
35	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	35
40	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	40
45	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	45
50	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	50
55	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	55
60	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	60
65	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	65
70	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	70
75	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	75
80	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	80
85	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	85
90	25.2	25.2	25.2	1	0.0	0.0	0.0	0.0	90
95	25.1	25.1	25.1	1	0.0	2.0	2.0	2.0	95
100	25.0	25.0	25.0	1	0.0	2.0	2.0	2.0	100
125	24.5	24.5	24.5	1	0.0	2.0	2.0	2.0	125
150	22.8	22.8	22.8	1	0.0	6.8	6.8	6.8	150
175	21.3	21.3	21.3	1	0.0	6.0	6.0	6.0	175
200	20.7	20.7	20.7	1	0.0	2.4	2.4	2.4	200
225	19.5	19.5	19.5	1	0.0	4.8	4.8	4.8	225
250	18.7	18.7	18.7	1	0.0	3.2	3.2	3.2	250
275	18.2	18.2	18.2	1	0.0	2.0	2.0	2.0	275

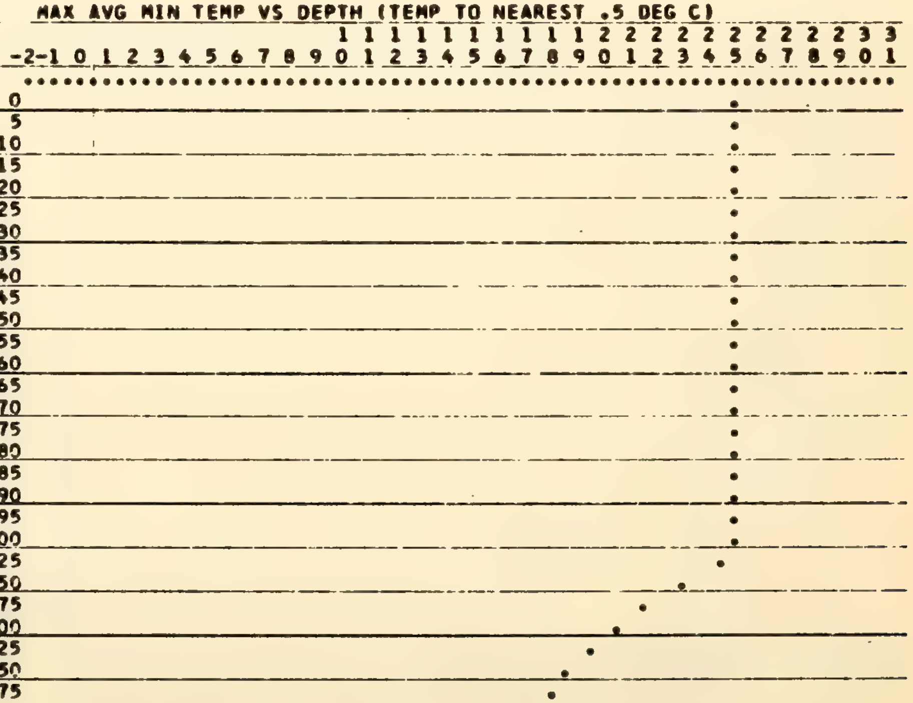


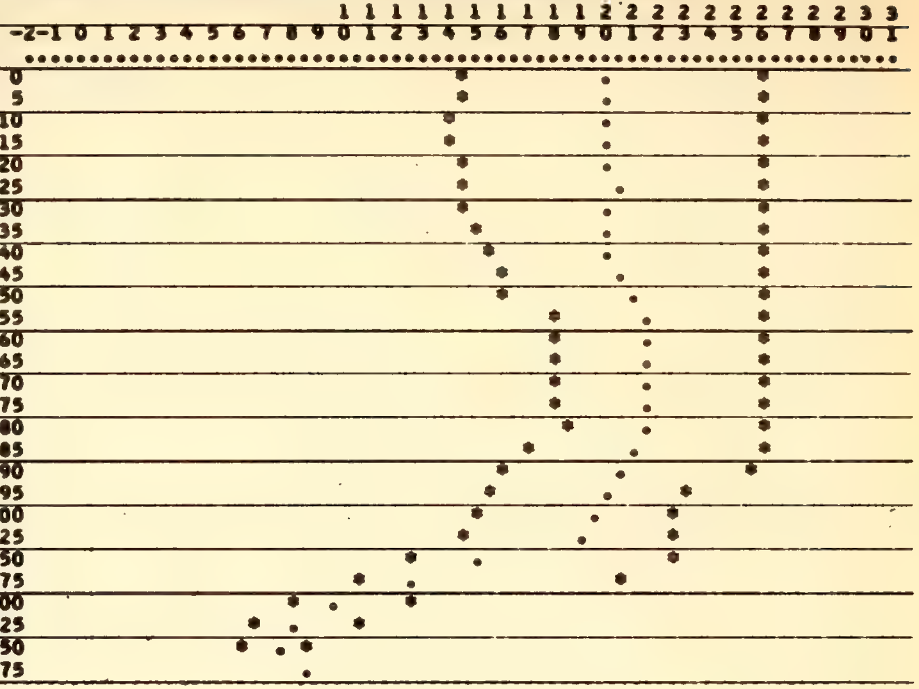
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 138   MONTH   1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.9	19.9	14.6	79	3.0	0.0	0.0	0.0	0
5	25.9	19.8	14.3	79	3.1	12.0	1.0	-32.0	5
10	25.9	19.9	14.2	77	3.1	26.0	2.0	-2.0	10
15	25.9	19.9	14.1	73	3.0	20.0	2.3	-2.0	15
20	26.0	20.1	14.3	69	2.8	18.0	2.5	-2.0	20
25	26.0	20.4	14.7	64	2.5	18.0	3.4	-2.0	25
30	26.1	20.2	14.6	64	2.5	34.0	4.5	-2.0	30
35	26.1	20.2	15.2	60	2.6	40.0	4.3	-2.0	35
40	26.1	20.2	15.3	54	2.5	30.0	4.4	-2.0	40
45	26.1	20.4	15.8	46	2.4	16.0	4.0	-4.0	45
50	26.1	20.8	15.9	37	2.2	16.0	4.1	-2.0	50
55	26.1	21.4	18.2	27	1.8	10.0	3.1	0.0	55
60	26.1	21.3	18.2	25	1.8	12.0	3.4	0.0	60
65	26.1	21.5	18.2	20	1.8	14.0	3.9	0.0	65
70	26.0	21.3	18.1	19	1.9	20.0	5.3	0.0	70
75	25.9	21.3	18.2	17	1.9	18.0	5.5	0.0	75
80	25.9	21.4	18.6	15	1.9	12.0	2.0	-2.0	80
85	25.8	21.2	16.8	14	2.2	58.0	9.3	0.0	85
90	25.7	20.7	15.9	13	2.6	42.0	6.3	0.0	90
95	22.9	19.9	15.3	11	2.4	16.0	7.5	2.0	95
100	22.7	19.5	15.0	11	2.4	20.0	8.0	2.0	100
125	22.7	19.2	14.6	11	2.6	22.0	7.6	-2.0	125
150	22.5	15.2	12.5	8	3.6	30.4	13.9	0.8	150
175	20.5	12.5	10.7	7	3.5	13.2	8.8	5.6	175
200	12.7	9.5	7.8	7	1.5	31.2	12.1	6.8	200
225	10.7	8.2	6.5	3	2.2	8.0	6.1	5.2	225
250	8.7	7.4	6.1	2	1.8	8.0	4.8	1.6	250
275	8.4	8.4	8.4	1	0.0	1.2	1.2	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 138   MONTH   2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.1	21.1	16.7	104	2.5	0.0	0.0	0.0	0
5	27.1	20.9	15.9	104	2.5	22.0	3.2	-2.0	5
10	27.1	20.9	15.7	97	2.6	16.0	3.6	-2.0	10
15	27.1	20.8	16.0	92	2.5	22.0	6.0	-2.0	15
20	27.1	20.7	16.6	87	2.4	30.0	5.9	-2.0	20
25	26.6	21.0	17.8	68	2.4	18.0	4.9	0.0	25
30	26.6	21.0	17.9	64	2.3	14.0	2.7	-4.0	30
35	26.2	21.3	17.8	52	2.3	14.0	2.3	0.0	35
40	26.1	21.7	17.7	41	2.3	16.0	2.3	-2.0	40
45	26.1	21.7	17.5	39	2.3	12.0	1.9	0.0	45
50	26.0	21.8	17.2	36	2.3	12.0	2.1	-2.0	50
55	25.7	21.8	17.2	31	2.1	20.0	4.5	0.0	55
60	25.2	21.7	17.2	30	2.0	18.0	5.2	0.0	60
65	24.9	21.4	17.0	28	1.9	38.0	7.2	0.0	65
70	24.7	21.4	17.7	26	1.8	24.0	3.5	-28.0	70
75	24.5	21.3	18.4	25	1.6	26.0	4.3	0.0	75
80	24.4	21.1	18.3	25	1.6	16.0	3.4	0.0	80
85	24.3	20.8	18.3	25	1.7	34.0	6.3	-2.0	85
90	24.3	20.4	16.8	25	1.8	46.0	8.4	-2.0	90
95	24.2	20.0	15.3	23	2.2	30.0	10.7	0.0	95
100	24.2	19.5	15.0	23	2.3	30.0	10.0	0.0	100
125	24.2	19.1	14.9	23	2.4	20.0	7.9	0.0	125
150	23.3	17.6	13.1	18	3.1	22.4	7.3	1.2	150
175	21.9	16.4	12.1	15	3.3	11.2	5.7	3.2	175
200	19.5	14.9	10.0	15	3.2	12.8	5.9	2.0	200
225	18.5	13.8	9.9	14	2.7	14.0	5.9	2.8	225
250	17.3	13.0	9.5	11	2.4	4.8	2.5	0.4	250
275	16.3	12.1	8.5	10	2.1	8.8	3.6	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

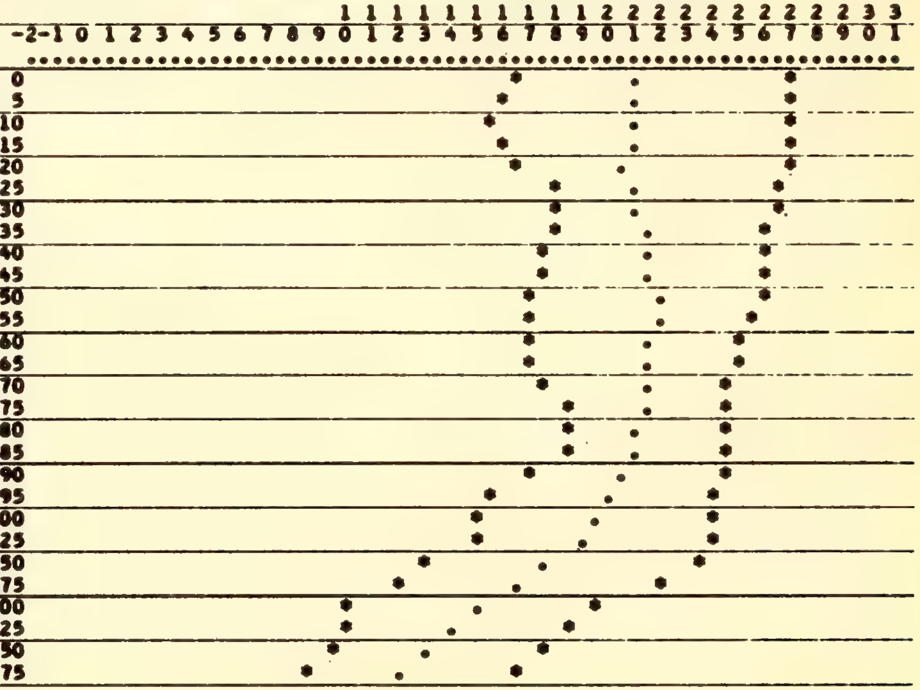


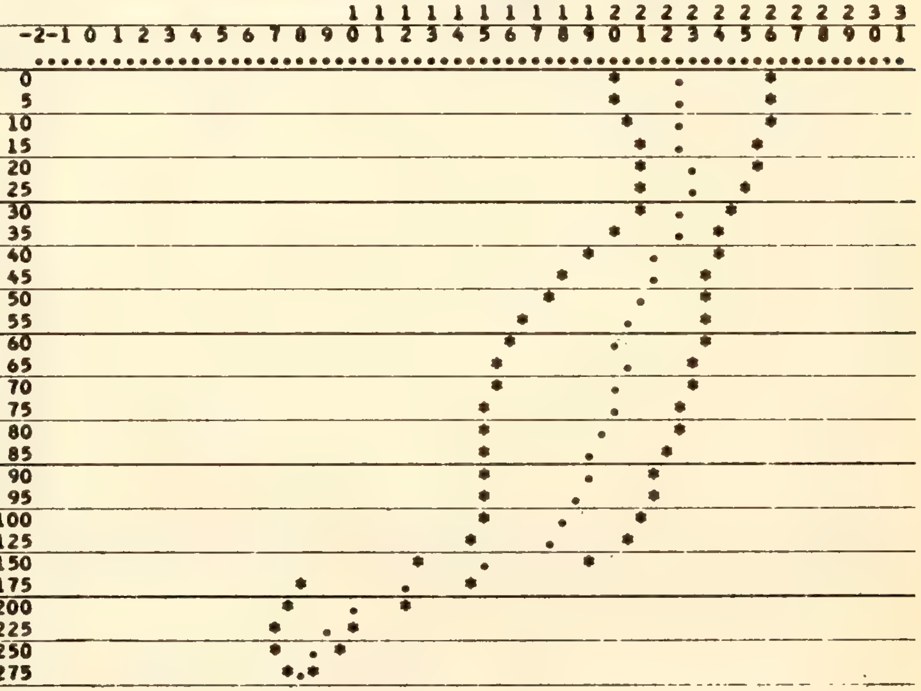
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 138 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	25.9	22.5	20.1	36	1.6	0.0	0.0	0.0
5	25.9	22.4	20.1	36	1.6	12.0	1.0	-2.0
10	25.8	22.5	20.5	34	1.5	8.0	1.7	-2.0
15	25.6	22.7	21.1	28	1.3	24.0	2.4	-2.0
20	25.3	23.1	21.1	20	1.1	18.0	3.5	0.0
25	24.8	23.1	21.0	16	1.0	12.0	5.5	0.0
30	24.3	22.7	20.9	16	1.1	26.0	7.5	0.0
35	24.0	22.3	19.8	16	1.2	28.0	8.7	0.0
40	23.8	21.7	18.9	16	1.4	40.0	10.9	2.0
45	23.4	21.3	17.8	16	1.6	44.0	9.5	2.0
50	23.4	20.9	17.3	16	1.7	14.0	7.6	0.0
55	23.3	20.5	16.7	15	1.9	14.0	7.3	0.0
60	23.3	20.2	16.2	15	2.0	14.0	6.1	0.0
65	23.2	20.4	15.7	13	1.7	10.0	6.2	2.0
70	22.9	20.2	15.6	13	1.7	10.0	4.3	-2.0
75	22.7	20.0	15.2	12	1.8	12.0	5.2	2.0
80	22.3	19.6	15.2	12	1.8	18.0	6.8	0.0
85	21.8	19.1	15.1	12	1.8	26.0	10.3	2.0
90	21.7	18.8	15.0	12	1.8	20.0	7.2	2.0
95	21.4	18.5	15.0	11	1.8	20.0	7.8	0.0
100	21.1	18.2	14.9	11	1.8	16.0	6.9	2.0
125	20.6	17.7	14.6	11	1.8	14.0	10.0	6.0
150	19.0	14.9	12.4	10	1.9	19.2	10.3	5.2
175	14.3	12.1	8.2	10	1.7	23.6	11.3	4.4
200	11.9	10.2	7.3	10	1.2	11.6	7.5	3.6
225	10.1	9.1	7.2	9	0.9	8.4	4.6	0.4
250	9.4	8.4	7.1	6	0.9	2.8	1.7	0.0
275	8.5	8.0	7.6	2	0.6	2.4	1.6	0.8

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 138 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	26.2	24.8	22.5	10	1.1	0.0	0.0	0.0
5	26.2	24.8	22.6	10	1.1	2.0	0.0	-2.0
10	26.2	24.8	22.6	10	1.0	2.0	0.2	0.0
15	26.2	24.8	22.7	1C	1.0	4.0	0.4	-2.0
20	26.2	24.7	22.7	10	1.0	2.0	1.0	0.0
25	26.2	24.7	22.8	10	1.0	2.0	0.4	-2.0
30	26.2	24.6	22.8	10	1.0	4.0	1.4	0.0
35	26.1	24.6	22.9	10	1.0	2.0	0.8	-2.0
40	26.1	24.4	22.9	10	0.9	10.0	2.8	0.0
45	26.1	24.3	22.9	10	0.9	14.0	3.2	-2.0
50	26.0	24.1	22.9	10	0.9	10.0	4.2	0.0
55	24.8	23.8	22.8	8	0.6	24.0	10.7	0.0
60	24.7	23.3	22.3	8	0.8	34.0	9.5	0.0
65	24.2	22.9	21.3	8	1.0	20.0	9.2	2.0
70	24.0	22.4	20.7	7	1.1	20.0	9.4	2.0
75	23.8	21.7	19.4	7	1.5	56.0	14.3	4.0
80	23.3	20.8	17.7	7	1.7	34.0	16.6	6.0
85	22.8	20.2	16.7	7	1.8	20.0	13.4	10.0
90	22.2	19.4	15.6	6	2.2	22.0	13.3	8.0
95	21.8	18.7	15.0	6	2.1	36.0	15.3	8.0
100	21.6	18.0	14.4	6	2.3	32.0	12.7	4.0
125	21.1	17.3	13.9	6	2.4	36.0	14.7	8.0
150	20.2	14.2	10.1	6	3.5	19.2	12.3	3.6
175	9.7	8.6	7.8	3	0.9	15.6	12.1	9.2
200	7.4	7.3	7.2	2	0.1	3.6	3.0	2.4
225	7.3	7.0	6.8	2	0.3	1.6	1.0	0.4
250	7.1	7.1	7.1	1	0.0	0.8	0.8	0.8

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

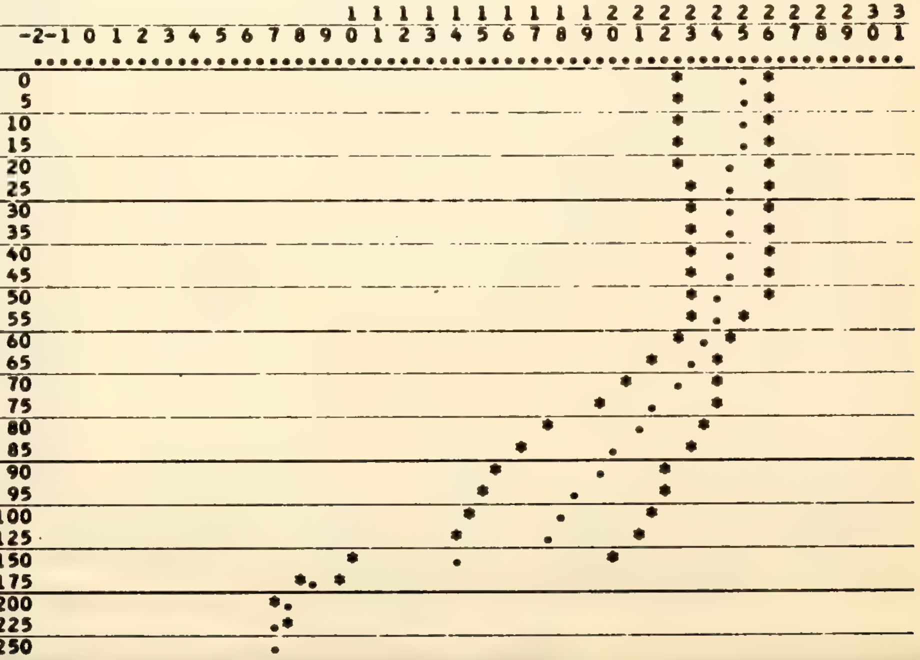


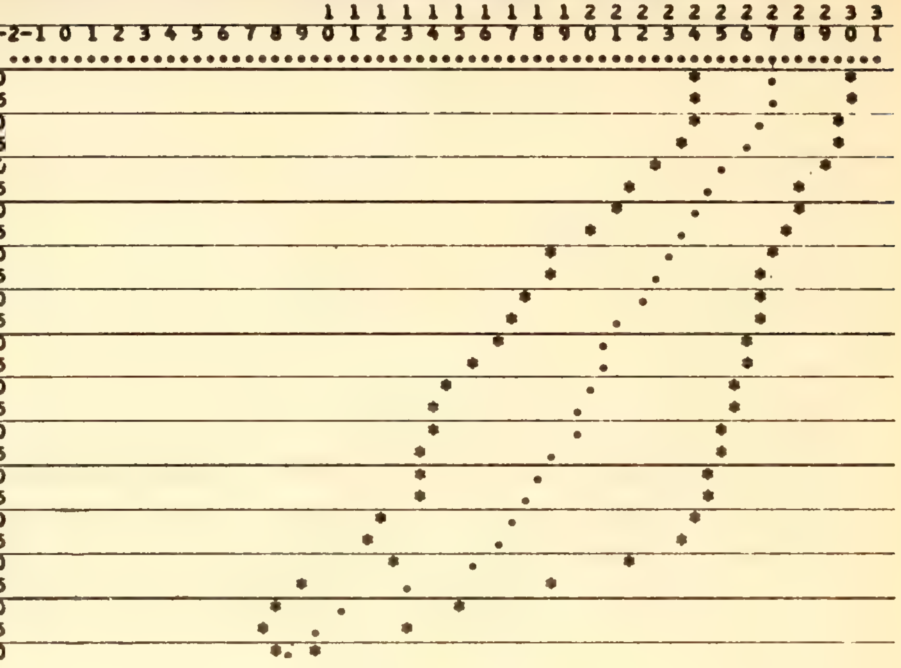
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 138   MONTH   5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.8	26.8	24.0	246	1.3	0.0	0.0	0.0	0
5	29.8	26.8	24.0	236	1.3	18.0	2.2	-6.0	5
10	29.7	26.4	24.0	208	1.2	42.0	4.2	-2.0	10
15	29.5	25.9	23.4	190	1.3	38.0	6.2	-8.0	15
20	28.9	25.0	22.4	160	1.5	70.0	12.0	-2.0	20
25	28.1	24.4	21.4	134	1.5	48.0	7.2	-4.0	25
30	27.9	24.2	20.8	91	1.7	38.0	9.5	-2.0	30
35	27.6	23.5	19.8	81	2.0	60.0	10.4	-4.0	35
40	27.0	23.0	18.5	68	2.1	44.0	8.1	-6.0	40
45	26.3	22.4	18.4	58	2.1	48.0	9.0	0.0	45
50	26.3	21.9	17.7.	43	2.2	60.0	11.0	0.0	50
55	26.3	21.1	16.8	29	2.5	50.0	10.3	0.0	55
60	26.1	20.7	16.5	24	2.5	54.0	11.2	0.0	60
65	25.9	20.6	15.3	22	2.2	36.0	10.6	0.0	65
70	25.7	20.0	14.6	22	2.3	32.0	10.2	0.0	70
75	25.4	19.7	14.2	20	2.5	28.0	9.3	2.0	75
80	25.2	19.3	13.9	19	2.7	24.0	8.9	-2.0	80
85	24.9	18.7	13.7	18	2.9	34.0	10.9	2.0	85
90	24.7	18.0	13.5	17	3.1	48.0	13.1	2.0	90
95	24.3	17.7	13.3	14	3.4	32.0	14.1	2.0	95
100	23.8	17.0	12.2	14	3.8	30.0	12.4	2.0	100
125	23.3	16.5	11.4	14	3.6	24.0	11.0	0.0	125
150	21.7	15.3	12.3	9	3.4	19.2	8.8	2.4	150
175	18.4	12.8	9.1	8	3.1	16.4	10.7	5.6	175
200	15.0	10.7	7.8	8	2.7	13.6	8.3	5.2	200
225	12.8	9.4	7.3	5	2.1	4.8	3.3	2.0	225
250	9.4	8.5	7.9	4	0.6	16.8	5.5	0.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 138   MONTH   6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.8	27.1	24.6	127	0.7	0.0	0.0	0.0	0
5	28.7	27.C	24.6	120	0.7	22.0	1.5	-4.0	5
10	28.7	26.8	24.6	104	0.7	16.0	2.8	-2.0	10
15	28.3	26.5	23.6	101	0.8	44.0	6.0	0.0	15
20	28.2	25.6	22.1	95	1.4	80.0	18.0	-2.0	20
25	28.2	24.7	21.0	91	2.0	82.0	17.1	-4.0	25
30	28.1	24.1	19.9	83	2.3	62.0	9.6	-2.0	30
35	28.1	23.7	18.9	74	2.4	52.0	9.2	-2.0	35
40	27.9	23.5	18.6	66	2.4	34.0	7.2	0.0	40
45	27.2	23.1	18.5	63	2.2	32.0	12.3	0.0	45
50	27.1	22.9	18.4	51	2.1	30.0	13.1	0.0	50
55	26.9	22.5	18.4	48	1.9	30.0	12.8	0.0	55
60	26.3	22.0	18.4	46	1.8	26.0	11.2	0.0	60
65	25.9	21.6	18.2	40	1.6	24.0	13.4	2.0	65
70	25.4	21.0	18.0	40	1.6	26.0	13.3	4.0	70
75	24.8	20.3	17.4	39	1.7	38.0	15.2	6.0	75
80	24.6	19.6	16.9	37	1.9	48.0	16.5	2.0	80
85	24.1	18.7	16.1	37	2.0	50.0	17.4	2.0	85
90	23.6	17.9	15.2	35	2.3	46.0	15.1	0.0	90
95	22.9	17.1	14.3	31	2.5	26.0	13.9	2.0	95
100	22.6	16.5	12.6	31	2.6	34.0	12.6	6.0	100
125	22.4	15.9	12.1	31	2.7	42.0	11.0	2.0	125
150	22.2	14.4	10.8	21	2.9	23.2	10.7	0.8	150
175	21.8	12.8	9.8	18	3.0	22.0	8.6	1.6	175
200	20.0	11.3	8.1	15	3.0	13.6	6.9	2.8	200
225	18.7	10.9	9.6	8	3.1	5.2	3.3	0.8	225

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

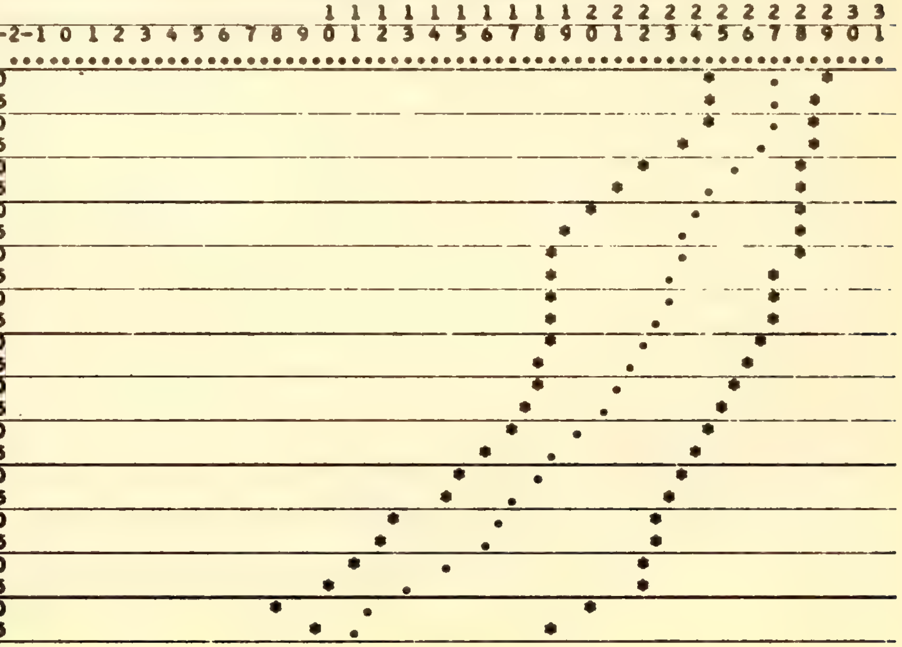


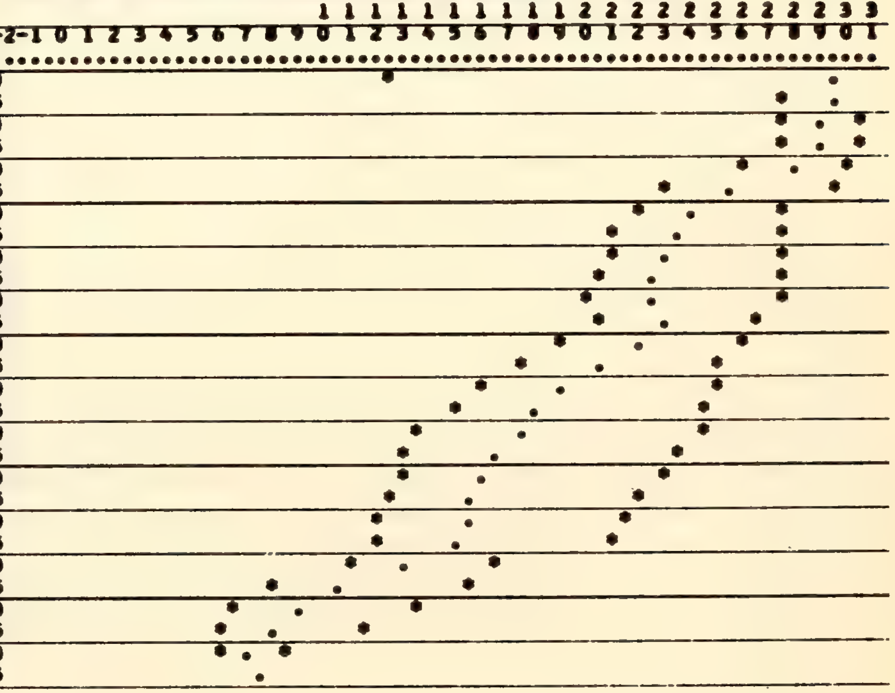
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 138 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	31.2	29.3	12.6	94	1.8	0.0	0.0	0.0	0
5	30.8	29.3	27.7	94	0.6	22.0	-1.2	-2.0	5
10	30.6	29.2	27.7	87	0.5	8.0	1.5	-6.0	10
15	30.6	29.0	27.5	77	0.6	26.0	3.2	-6.0	15
20	30.1	27.9	25.8	62	1.0	60.0	17.9	-4.0	20
25	29.7	25.7	23.1	52	1.5	102.0	37.6	0.0	25
30	27.7	24.2	21.8	46	1.6	64.0	29.9	0.0	30
35	27.7	23.4	21.1	37	1.7	54.0	16.7	0.0	35
40	27.7	23.1	20.8	26	2.0	30.0	13.9	0.0	40
45	27.7	22.3	20.7	20	2.0	38.0	15.0	0.0	45
50	27.5	22.6	20.1	11	2.3	32.0	16.5	4.0	50
55	26.6	23.0	20.6	6	2.4	28.0	20.3	8.0	55
60	25.8	21.8	19.0	6	2.7	40.0	25.0	14.0	60
65	25.0	20.3	17.3	6	2.8	58.0	30.3	16.0	65
70	24.8	19.1	16.2	6	3.0	56.0	23.7	4.0	70
75	24.6	18.0	14.8	6	3.4	50.0	21.7	4.0	75
80	24.4	17.4	13.6	5	4.2	24.0	12.4	4.0	80
85	23.7	16.7	13.0	5	4.2	22.0	13.6	10.0	85
90	23.1	16.2	12.8	5	4.1	20.0	10.4	4.0	90
95	21.9	15.6	12.4	5	3.8	24.0	11.6	8.0	95
100	21.3	15.3	12.2	5	3.6	12.0	6.4	4.0	100
125	20.8	14.9	12.0	5	3.5	10.0	7.2	4.0	125
150	16.5	12.9	11.0	5	2.3	17.2	7.8	4.0	150
175	15.5	10.7	7.9	5	2.9	12.4	8.8	4.0	175
200	13.7	8.9	6.5	5	3.0	9.2	7.5	5.6	200
225	11.7	7.9	6.2	4	2.5	8.0	2.9	0.8	225
250	8.7	6.9	6.0	4	1.1	12.0	3.8	0.8	250
275	7.3	7.3	7.3	1	0.0	-3.2	-3.2	-3.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 138 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	31.7	29.6	29.2	52	0.5	0.0	0.0	0.0	0
5	31.1	29.6	29.1	52	0.4	18.0	1.1	0.0	5
10	30.8	29.4	26.1	51	0.6	76.0	2.6	0.0	10
15	30.7	29.2	25.1	51	0.9	84.0	4.6	-2.0	15
20	30.7	29.0	23.2	47	1.2	104.0	6.3	-2.0	20
25	29.9	28.7	22.8	41	1.4	54.0	6.0	0.0	25
30	29.8	28.3	25.1	38	0.8	36.0	14.3	0.0	30
35	29.5	27.2	22.5	13	2.2	60.0	24.2	2.0	35
40	29.0	26.1	21.5	11	2.5	46.0	25.3	2.0	40
45	28.3	24.9	20.7	10	2.3	42.0	24.4	10.0	45
50	28.0	24.0	18.5	10	3.0	44.0	19.8	6.0	50
55	27.3	22.7	16.3	10	3.5	44.0	25.4	12.0	55
60	26.7	21.3	13.8	10	4.3	58.0	28.2	12.0	60
65	26.2	20.1	12.8	10	4.4	38.0	23.8	10.0	65
70	25.8	19.3	12.5	10	4.3	32.0	15.8	6.0	70
75	25.4	18.5	12.1	10	4.2	50.0	16.6	6.0	75
80	25.2	17.9	11.9	10	4.3	24.0	11.4	4.0	80
85	24.8	17.3	11.6	10	4.3	48.0	12.0	2.0	85
90	23.9	16.7	10.9	10	4.2	46.0	12.8	2.0	90
95	23.3	16.2	10.4	10	4.2	18.0	9.0	4.0	95
100	22.8	15.8	9.8	10	4.2	12.0	8.0	2.0	100
125	21.3	15.2	9.4	10	4.0	30.0	11.2	6.0	125
150	15.3	12.5	8.4	9	2.8	25.2	10.0	2.8	150
175	11.6	9.5	7.8	3	1.9	13.6	6.1	2.4	175
200	9.4	8.5	7.7	2	1.2	8.8	4.6	0.4	200
225	8.4	8.4	8.4	1	0.0	4.0	4.0	4.0	225
250	7.8	7.8	7.8	1	0.0	2.4	2.4	2.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

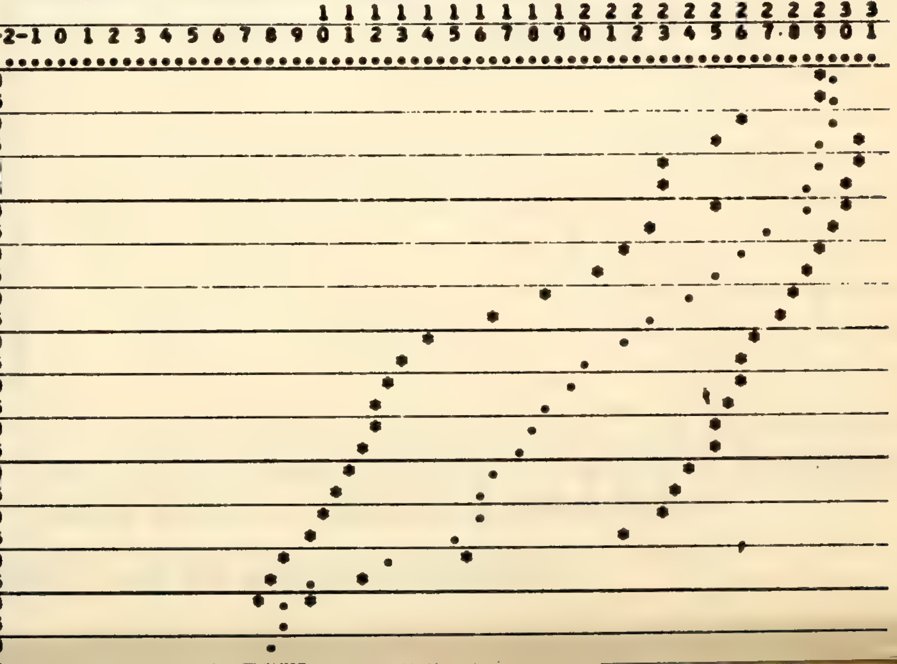


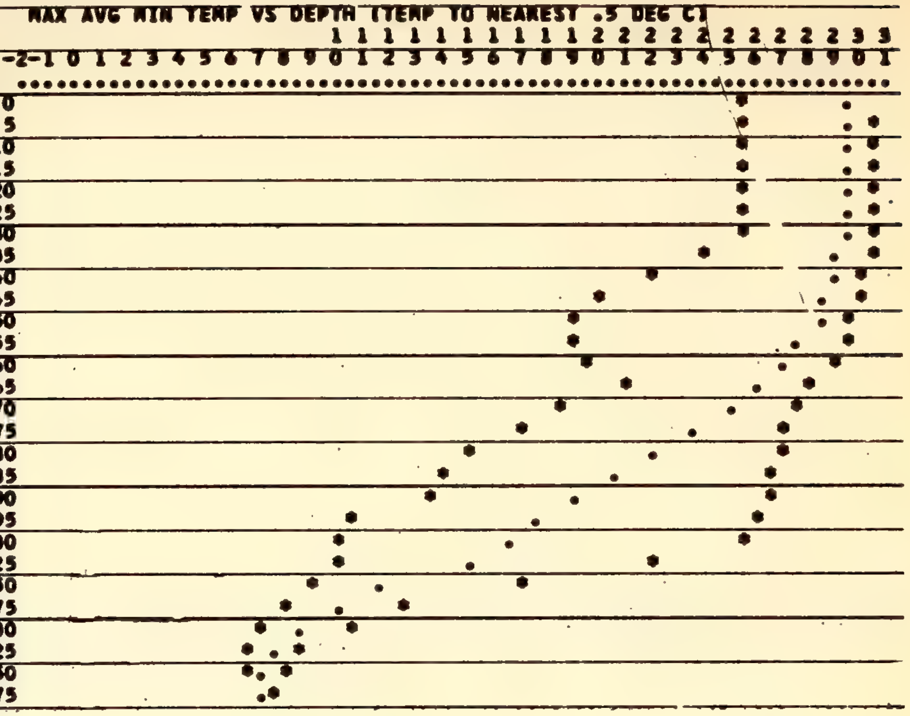
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 138 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV
0	31.1	29.7	25.6	165	0.6
5	30.6	29.7	25.6	165	0.6
10	30.5	29.7	25.6	165	0.6
15	30.5	29.7	25.6	165	0.6
20	30.4	29.7	25.6	160	0.6
25	30.4	29.6	25.6	157	0.6
30	30.3	29.5	25.5	155	0.7
35	30.3	29.2	24.2	150	1.3
40	30.2	29.0	21.9	143	1.5
45	29.9	28.7	19.9	141	1.8
50	29.7	28.3	19.2	138	1.8
55	29.4	27.7	19.2	134	1.5
60	29.1	27.0	19.3	129	1.5
65	28.2	26.1	21.0	123	1.2
70	27.4	24.9	18.7	122	1.5
75	27.2	23.6	17.0	120	2.0
80	26.9	22.2	15.2	117	2.6
85	26.7	20.7	13.8	116	3.0
90	26.4	19.2	13.4	113	3.3
95	26.1	17.7	10.5	108	3.3
100	25.5	16.5	10.0	108	3.3
125	22.1	15.2	9.9	104	3.0
150	17.0	11.6	8.9	82	1.6
175	12.5	9.8	7.9	73	1.0
200	10.3	8.4	7.0	67	0.7
225	8.7	7.5	6.5	58	0.4
250	7.8	7.1	6.4	53	0.2
275	7.3	7.1	6.9	26	0.1

GRADIENT			
MAX	AVG	MIN	
0.0	0.0	0.0	0
18.0	0.6	-4.0	5
8.0	0.5	-2.0	10
4.0	0.4	-4.0	15
4.0	0.4	-2.0	20
14.0	0.5	-2.0	25
38.0	1.7	-2.0	30
94.0	6.6	-2.0	35
90.0	6.7	0.0	40
90.0	8.4	0.0	45
32.0	9.0	0.0	50
38.0	12.5	0.0	55
48.0	16.5	-2.0	60
50.0	21.5	4.0	65
62.0	23.7	2.0	70
94.0	27.1	2.0	75
130.0	29.6	4.0	80
82.0	30.5	2.0	85
88.0	32.7	4.0	90
80.0	33.9	4.0	95
60.0	25.8	2.0	100
66.0	25.0	6.0	125
28.0	16.9	4.4	150
18.0	8.2	1.6	175
13.2	6.1	1.2	200
9.6	4.0	0.8	225
5.6	1.6	0.0	250
1.2	0.4	0.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 138 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV
0	30.9	27.2	22.8	140	2.0
5	30.9	27.2	22.9	140	2.0
10	30.9	27.4	23.1	135	1.9
15	30.9	27.6	23.1	125	1.8
20	30.9	27.8	23.4	114	1.6
25	30.9	27.9	23.4	97	1.6
30	30.9	27.9	24.3	81	1.5
35	30.8	27.6	23.3	61	1.5
40	29.2	27.0	25.0	50	1.0
45	28.6	26.3	24.9	44	0.8
50	28.3	25.8	23.6	10	1.4
55	27.8	26.6	25.6	5	0.9
60	27.6	26.4	25.4	5	1.0
65	27.4	26.2	25.3	5	0.9
70	27.1	25.6	24.9	5	0.8
75	26.3	24.9	23.6	5	0.9
80	24.9	23.7	21.8	5	1.3
85	24.3	22.7	20.8	5	1.4
90	24.1	21.7	19.9	5	1.8
95	24.1	21.1	18.5	5	2.2
100	24.0	20.1	17.2	5	2.6
125	23.5	19.2	16.2	5	2.9
150	18.1	14.3	12.9	5	2.1
175	12.6	11.7	11.0	4	0.7
200	11.5	10.3	9.0	3	1.2
225	9.5	8.8	8.4	3	0.5
250	8.4	7.5	6.3	3	1.1

GRADIENT			
MAX	AVG	MIN	
0.0	0.0	0.0	0
8.0	0.2	-4.0	5
4.0	0.1	-4.0	10
8.0	0.4	-2.0	15
6.0	0.3	-2.0	20
4.0	0.0	-4.0	25
4.0	0.3	-6.0	30
62.0	4.6	-2.0	35
38.0	19.3	-2.0	40
44.0	16.5	0.0	45
30.0	7.0	0.0	50
10.0	4.4	2.0	55
8.0	4.0	2.0	60
8.0	4.4	2.0	65
32.0	11.6	4.0	70
34.0	14.4	2.0	75
36.0	23.6	8.0	80
30.0	20.8	8.0	85
40.0	20.4	4.0	90
28.0	12.4	0.0	95
26.0	19.2	2.0	100
26.0	18.8	10.0	125
36.4	19.5	10.4	150
13.6	6.7	2.4	175
8.0	6.3	4.4	200
8.0	5.9	1.6	225
9.2	5.1	1.6	250

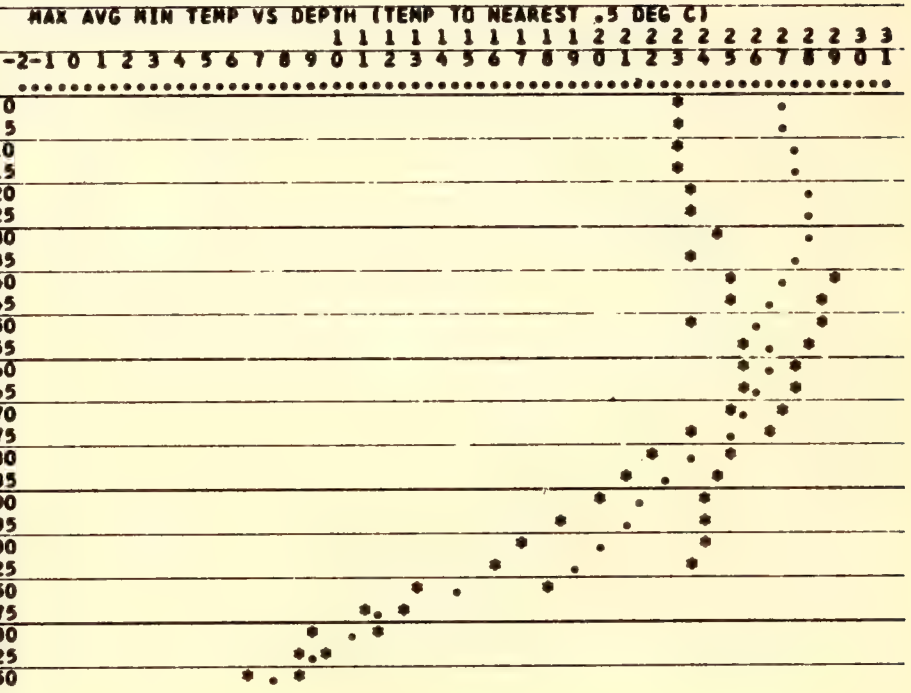
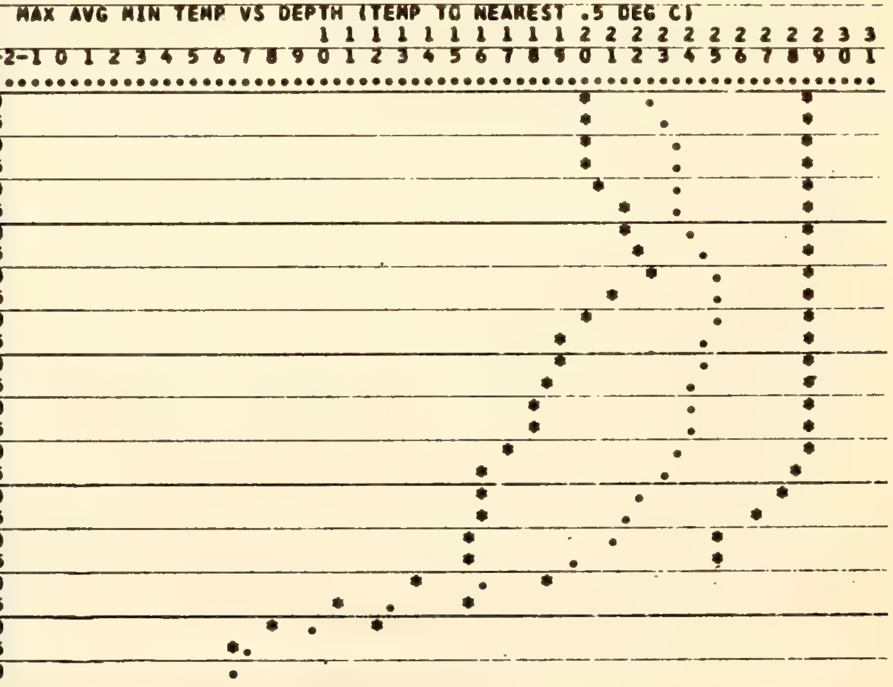


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 138 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.3	22.7	19.9	132	1.9	0.0	0.0	0.0	0
5	28.3	22.9	19.8	120	1.9	14.0	1.5	-6.0	5
10	28.3	23.6	20.2	85	1.7	16.0	1.2	-4.0	10
15	28.3	23.6	20.1	81	1.7	10.0	1.0	-2.0	15
20	28.3	23.6	20.4	70	1.7	8.0	1.1	-2.0	20
25	28.3	23.7	21.6	57	1.6	6.0	0.9	-2.0	25
30	28.4	23.9	21.7	42	1.6	4.0	0.6	-4.0	30
35	28.4	24.6	21.8	22	1.7	2.0	0.5	0.0	35
40	28.4	25.0	22.7	17	1.5	8.0	1.5	0.0	40
45	28.3	24.8	20.9	15	1.8	68.0	5.9	0.0	45
50	28.3	24.8	19.9	10	2.5	70.0	10.8	0.0	50
55	28.3	24.5	19.1	10	2.9	26.0	5.8	0.0	55
60	28.3	24.3	19.0	10	3.0	18.0	4.4	0.0	60
65	28.3	24.1	18.5	10	3.3	12.0	4.2	0.0	65
70	28.3	23.9	18.0	10	3.5	16.0	3.8	0.0	70
75	28.3	23.8	17.8	10	3.5	10.0	2.6	0.0	75
80	28.3	23.4	17.0	10	3.7	22.0	6.6	0.0	80
85	28.1	22.8	16.1	9	4.1	18.0	8.2	2.0	85
90	27.6	22.1	16.0	9	4.0	38.0	14.2	2.0	90
95	26.3	21.6	15.9	8	3.8	38.0	17.0	2.0	95
100	25.1	20.8	15.5	8	3.6	42.0	16.0	6.0	100
125	24.9	19.7	15.3	7	3.5	20.0	10.3	2.0	125
150	18.7	16.0	13.4	4	2.9	25.6	19.5	10.8	150
175	15.4	12.5	10.7	3	2.4	12.4	10.3	7.6	175
200	12.1	9.4	7.9	3	2.2	13.2	12.4	11.2	200
225	6.9	6.8	6.7	2	0.1	6.0	5.4	4.8	225
250	6.3	6.3	6.3	1	0.0	1.6	1.6	1.6	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 138 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.4	21.3	19.0	222	1.3	0.0	0.0	0.0	0
5	25.4	21.1	18.9	218	1.4	26.0	3.8	-10.0	5
10	25.4	21.2	18.8	165	1.5	18.0	2.9	-2.0	10
15	25.3	21.5	18.4	131	1.4	20.0	2.4	-4.0	15
20	25.3	22.0	18.4	83	1.3	14.0	2.7	-2.0	20
25	25.3	22.2	19.1	62	1.3	16.0	2.2	-2.0	25
30	25.3	22.3	19.9	52	1.4	18.0	2.2	-4.0	30
35	25.3	22.6	20.0	36	1.5	14.0	0.9	-6.0	35
40	25.3	23.2	20.8	22	1.2	14.0	1.4	-2.0	40
45	25.2	23.6	21.8	15	1.2	6.0	0.8	-2.0	45
50	25.2	24.0	21.8	11	1.1	18.0	1.8	-4.0	50
55	25.2	24.5	23.8	8	0.5	4.0	1.5	0.0	55
60	25.1	24.4	23.8	8	0.4	4.0	2.5	0.0	60
65	25.0	24.3	23.7	8	0.4	4.0	2.0	0.0	65
70	24.7	24.1	23.5	8	0.4	6.0	3.2	-2.0	70
75	24.4	24.0	23.5	8	0.3	6.0	1.7	-2.0	75
80	24.3	23.8	23.4	8	0.4	8.0	4.2	2.0	80
85	24.2	23.6	22.8	8	0.5	12.0	5.0	2.0	85
90	23.9	23.1	22.0	8	0.7	20.0	8.2	2.0	90
95	23.8	22.9	21.2	8	1.0	16.0	4.7	0.0	95
100	23.7	22.2	19.9	8	1.7	46.0	13.2	2.0	100
125	23.6	21.4	18.2	8	2.5	44.0	16.2	2.0	125
150	21.8	16.9	9.2	8	5.1	37.2	18.0	7.2	150
175	13.7	11.0	8.3	8	1.8	38.8	23.6	3.6	175
200	12.4	8.7	7.5	8	1.5	14.8	9.3	3.2	200
225	11.3	7.8	7.0	8	1.4	5.6	3.5	2.0	225
250	8.1	7.3	6.8	3	0.6	12.8	5.6	2.0	250
275	7.1	6.8	6.4	3	0.4	4.0	2.0	0.4	275

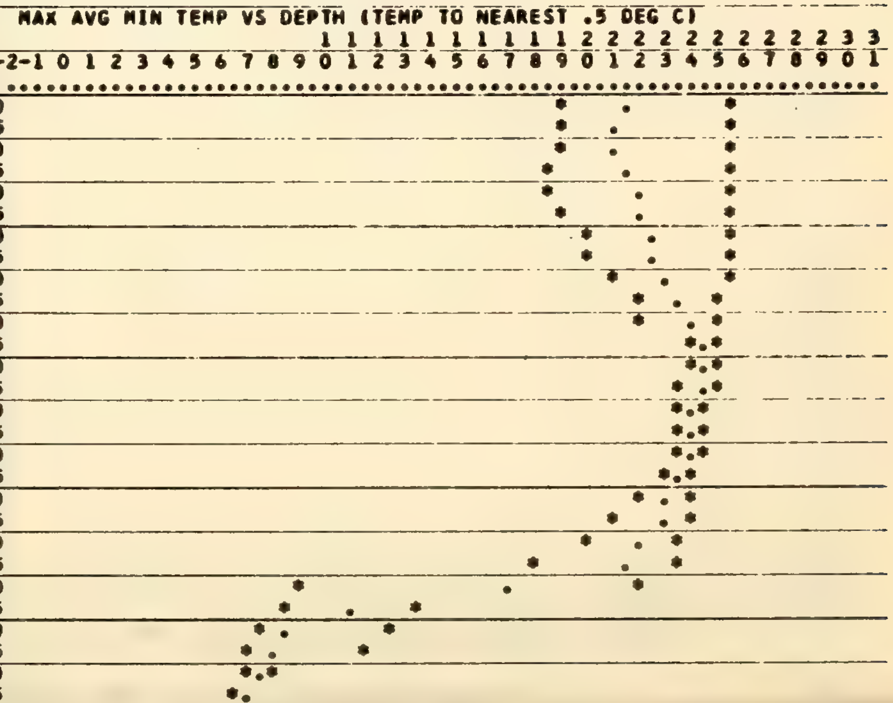


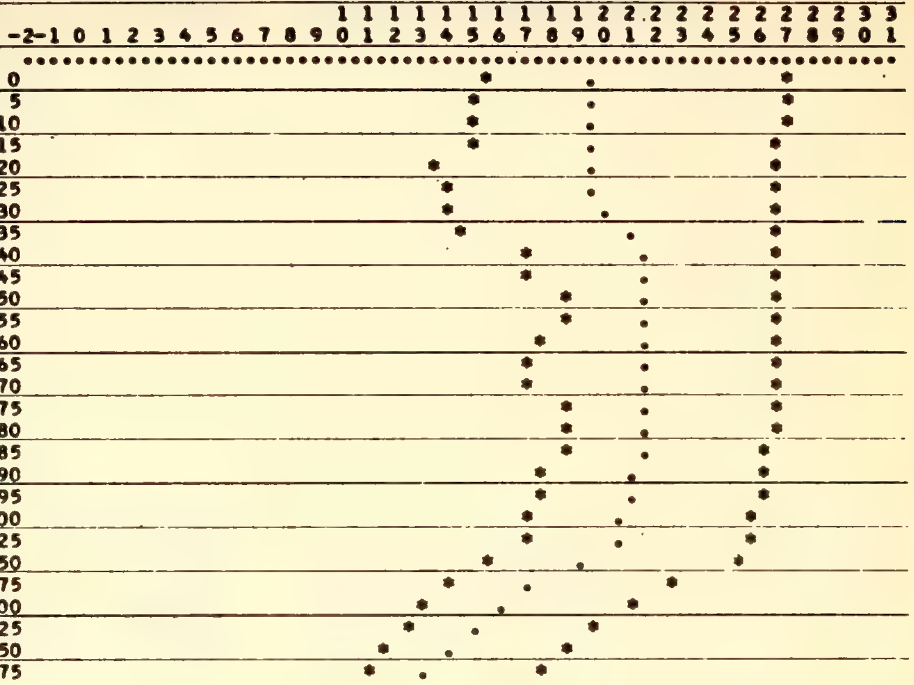
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 14 . MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.1	19.5	15.3	74	2.8	0.0	0.0	0.0	0
5	27.1	19.5	15.2	74	2.8	6.0	-0.2	-26.0	5
10	26.8	19.4	15.1	74	2.8	18.0	1.0	-10.0	10
15	26.7	19.4	15.1	74	2.9	46.0	0.9	-26.0	15
20	26.7	19.4	13.6	74	2.9	30.0	-0.5	-38.0	20
25	26.7	19.5	13.8	71	2.9	14.0	-0.5	-38.0	25
30	26.7	20.1	14.1	58	2.8	14.0	0.4	-16.0	30
35	26.7	21.0	14.4	46	2.4	10.0	1.8	-6.0	35
40	26.7	21.5	16.8	38	2.0	8.0	1.1	-2.0	40
45	26.7	21.4	16.8	38	2.1	10.0	1.7	0.0	45
50	26.7	21.5	18.3	37	2.0	12.0	1.1	0.0	50
55	26.6	21.5	18.4	35	2.1	6.0	0.8	-2.0	55
60	26.6	21.5	17.7	34	2.1	18.0	1.4	-4.0	60
65	26.5	21.4	17.2	33	2.2	12.0	1.4	0.0	65
70	26.4	21.4	16.9	32	2.2	16.0	1.7	0.0	70
75	26.3	21.5	18.6	30	2.1	24.0	2.9	0.0	75
80	26.3	21.7	18.7	27	2.1	22.0	3.0	0.0	80
85	26.2	21.5	18.3	27	2.2	20.0	4.2	0.0	85
90	26.1	21.2	17.7	27	2.3	28.0	6.0	0.0	90
95	25.9	20.8	17.3	26	2.4	44.0	8.5	0.0	95
100	25.7	20.5	17.1	26	2.6	28.0	6.2	0.0	100
125	25.6	20.3	16.8	26	2.7	20.0	4.2	0.0	125
150	24.9	18.9	15.4	24	3.0	9.2	4.6	0.0	150
175	22.4	17.1	14.0	20	2.7	14.4	6.4	3.2	175
200	20.8	16.0	13.2	20	2.4	7.6	4.5	2.0	200
225	19.6	15.0	12.3	19	2.3	6.4	4.2	2.4	225
250	18.4	14.0	11.6	19	2.2	6.0	3.8	2.4	250
275	17.7	13.2	11.0	14	2.3	5.6	3.3	2.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 14 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.2	19.2	5.3	231	2.7	0.0	0.0	0.0	0
5	25.2	19.5	5.3	231	2.0	30.0	-7.4	-176.0	5
10	25.2	19.7	5.2	231	1.7	24.0	-3.5	-58.0	10
15	25.1	19.9	15.1	229	1.3	30.0	-2.0	-46.0	15
20	25.0	20.0	15.8	228	1.2	36.0	-0.9	-42.0	20
25	24.8	20.0	16.3	221	1.2	28.0	0.5	-32.0	25
30	24.0	19.9	16.1	220	1.2	20.0	1.3	-10.0	30
35	23.4	19.9	16.0	216	1.1	22.0	1.1	-12.0	35
40	23.4	19.9	15.9	211	1.1	22.0	1.0	-46.0	40
45	23.4	19.9	15.1	207	1.1	18.0	1.4	-10.0	45
50	23.4	19.9	15.0	200	1.1	30.0	1.3	-12.0	50
55	23.4	19.8	14.7	196	1.1	24.0	2.0	-10.0	55
60	23.3	19.8	15.0	191	1.1	26.0	1.8	-2.0	60
65	23.3	19.8	16.3	177	1.0	36.0	2.5	-4.0	65
70	23.3	19.7	15.5	173	1.1	50.0	2.6	-4.0	70
75	23.3	19.6	14.8	173	1.2	44.0	2.7	-8.0	75
80	23.3	19.5	14.4	170	1.3	26.0	3.0	-4.0	80
85	23.3	19.4	15.5	167	1.3	24.0	3.3	-2.0	85
90	23.3	19.2	15.5	165	1.4	20.0	3.3	0.0	90
95	23.3	19.1	15.5	161	1.4	26.0	3.5	-4.0	95
100	23.3	18.9	14.0	161	1.5	50.0	4.2	0.0	100
125	23.3	18.9	13.8	159	1.6	48.0	4.1	-8.0	125
150	23.3	17.8	13.9	131	1.5	10.8	4.7	0.0	150
175	20.8	16.8	14.5	108	1.2	10.8	5.1	0.0	175
200	19.3	15.7	13.5	104	1.0	10.8	4.8	0.8	200
225	18.2	14.6	10.1	100	1.1	20.0	4.4	1.2	225
250	17.3	13.5	8.6	94	1.1	28.8	4.7	1.2	250
275	16.7	12.6	10.9	83	0.9	11.2	4.1	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

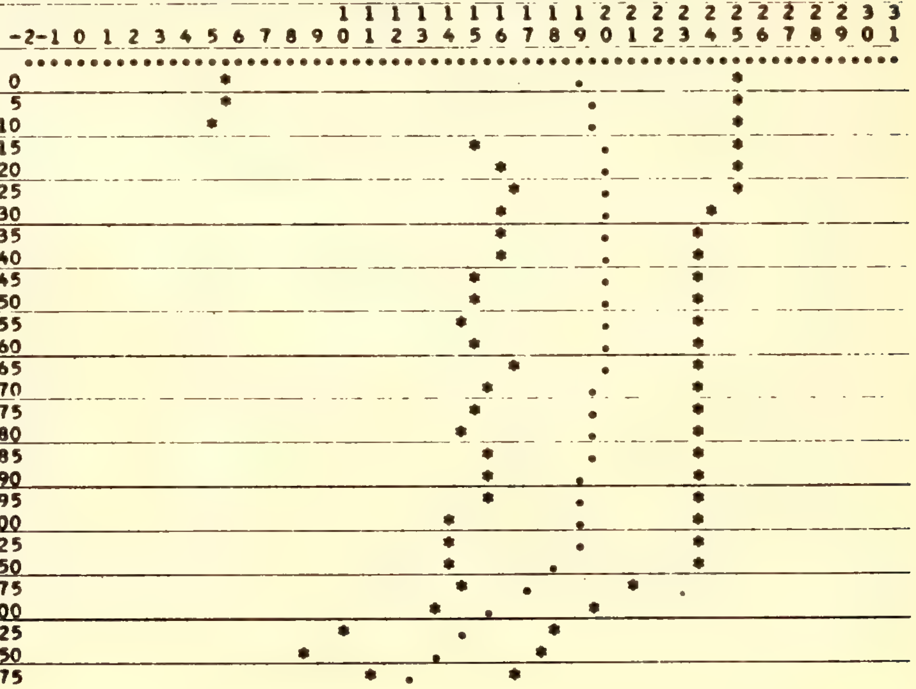


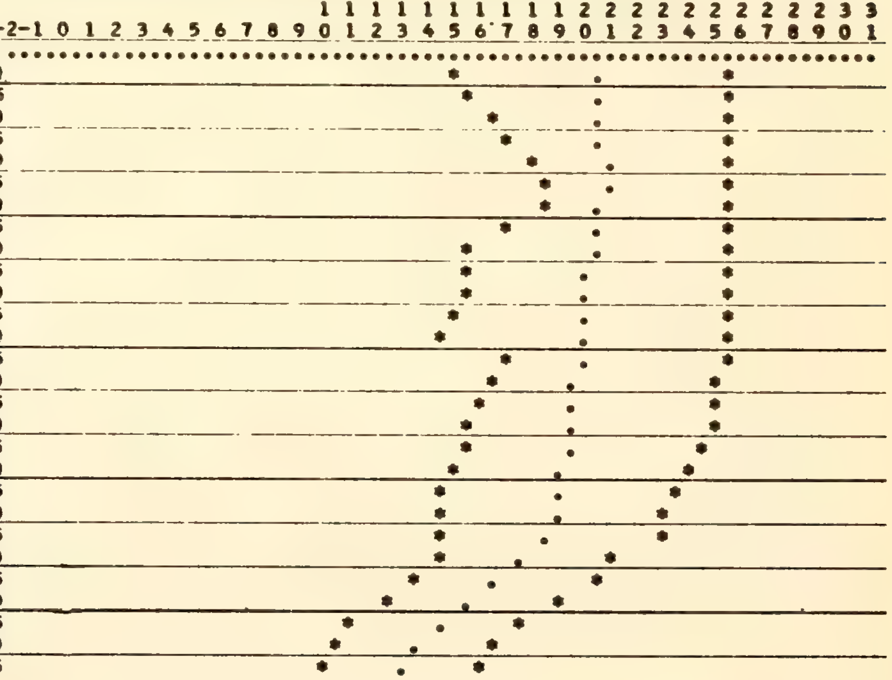
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 14 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	25.5	20.3	14.9	108	2.1	0.0	0.0	0.0	0
5	25.5	20.4	15.4	108	1.9	20.0	-1.3	-80.0	5
10	25.5	20.5	16.7	108	1.7	12.0	-2.0	-70.0	10
15	25.5	20.7	17.0	108	1.5	14.0	-3.1	-50.0	15
20	25.5	20.8	18.1	106	1.4	20.0	-1.3	-46.0	20
25	25.5	20.8	18.4	105	1.3	18.0	0.8	-14.0	25
30	25.5	20.7	18.3	105	1.3	22.0	1.8	-12.0	30
35	25.5	20.5	17.2	101	1.3	46.0	4.7	-4.0	35
40	25.6	20.3	15.6	101	1.4	40.0	4.1	-4.0	40
45	25.6	20.2	15.6	99	1.4	28.0	3.5	-4.0	45
50	25.6	20.1	15.6	98	1.4	22.0	3.0	-4.0	50
55	25.5	19.9	15.1	97	1.4	32.0	3.6	-4.0	55
60	25.4	19.8	14.7	96	1.5	50.0	3.6	-2.0	60
65	25.3	19.8	16.9	86	1.2	16.0	3.2	-4.0	65
70	25.2	19.7	16.5	84	1.3	18.0	2.7	0.0	70
75	25.1	19.6	16.0	82	1.4	14.0	2.8	0.0	75
80	25.0	19.5	15.7	81	1.4	12.0	2.7	-2.0	80
85	24.7	19.3	15.3	81	1.5	18.0	2.9	-2.0	85
90	24.0	19.2	14.9	81	1.5	16.0	3.2	-2.0	90
95	23.4	19.0	14.6	79	1.5	16.0	3.6	-18.0	95
100	22.9	18.8	14.5	79	1.6	28.0	4.5	0.0	100
125	22.8	18.6	14.5	79	1.6	18.0	3.7	0.0	125
150	21.0	17.5	14.3	73	1.5	8.8	4.4	0.8	150
175	20.4	16.5	13.3	62	1.5	7.6	4.5	1.6	175
200	19.0	15.5	12.3	61	1.3	8.0	4.3	1.2	200
225	17.5	14.5	11.2	59	1.2	8.8	4.0	2.0	225
250	16.6	13.6	10.6	52	1.2	5.6	3.4	1.6	250
275	15.9	12.9	10.0	46	1.2	4.8	3.1	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 14 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	26.6	23.0	19.9	82	1.0	0.0	0.0	0.0	0
5	26.6	22.8	19.6	81	0.9	26.0	5.3	-12.0	5
10	26.7	22.1	18.7	61	1.1	38.0	9.3	-14.0	10
15	26.4	21.6	18.7	56	1.2	28.0	8.6	-12.0	15
20	26.0	21.3	18.7	49	1.1	28.0	6.5	-2.0	20
25	25.2	21.1	18.6	42	1.2	34.0	5.8	-4.0	25
30	24.6	21.0	18.6	37	1.1	18.0	4.4	0.0	30
35	24.6	20.8	18.6	33	1.2	32.0	5.4	0.0	35
40	24.3	20.7	18.6	31	1.2	30.0	4.4	0.0	40
45	24.1	20.6	18.5	27	1.1	16.0	4.5	0.0	45
50	23.5	20.7	19.4	22	0.9	12.0	3.6	-2.0	50
55	22.8	20.5	19.2	22	0.9	20.0	4.7	0.0	55
60	22.4	20.2	18.4	22	0.9	34.0	5.8	0.0	60
65	22.0	20.0	18.1	22	0.9	10.0	4.6	2.0	65
70	21.8	19.8	17.9	22	1.0	10.0	4.1	0.0	70
75	21.5	19.6	17.8	21	0.9	12.0	3.4	0.0	75
80	21.4	19.6	17.7	20	0.8	8.0	3.0	0.0	80
85	21.1	19.3	17.4	19	0.8	8.0	4.6	0.0	85
90	20.9	19.1	17.2	19	0.8	8.0	4.0	0.0	90
95	20.7	19.0	17.1	18	0.7	8.0	3.1	0.0	95
100	20.3	18.8	16.8	18	0.7	10.0	4.2	2.0	100
125	20.2	18.5	16.6	18	0.8	12.0	5.4	0.0	125
150	19.3	17.5	16.3	16	0.8	6.4	4.8	2.0	150
175	18.6	16.2	15.0	16	1.0	7.2	5.0	2.4	175
200	18.0	15.1	13.8	15	1.2	6.8	4.5	2.4	200
225	17.4	14.1	12.6	14	1.4	4.8	3.8	2.0	225
250	16.7	13.1	11.6	14	1.4	5.6	4.1	2.8	250
275	13.4	11.8	10.8	11	0.8	4.8	3.4	2.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

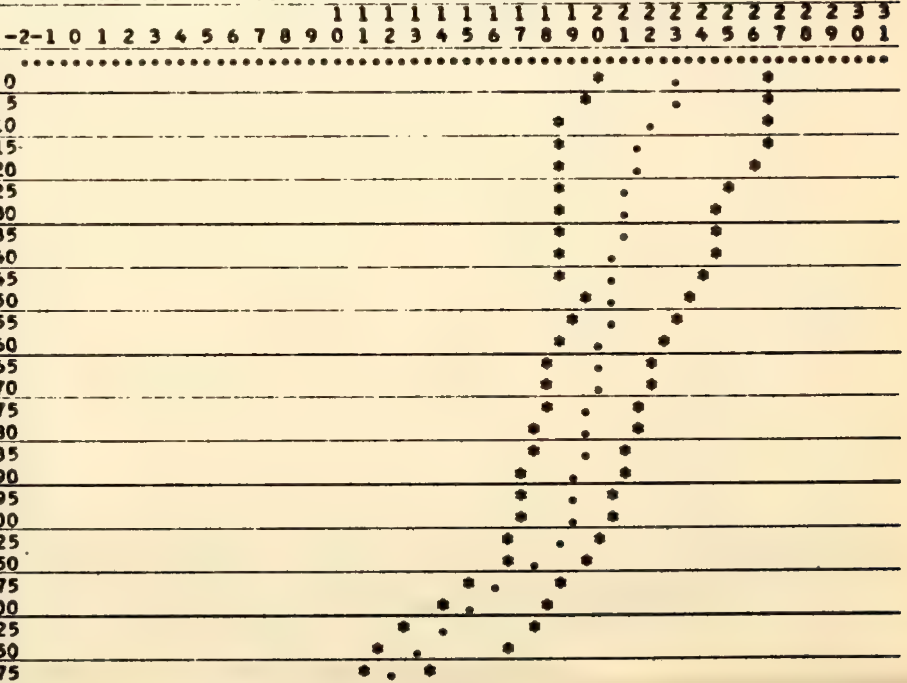
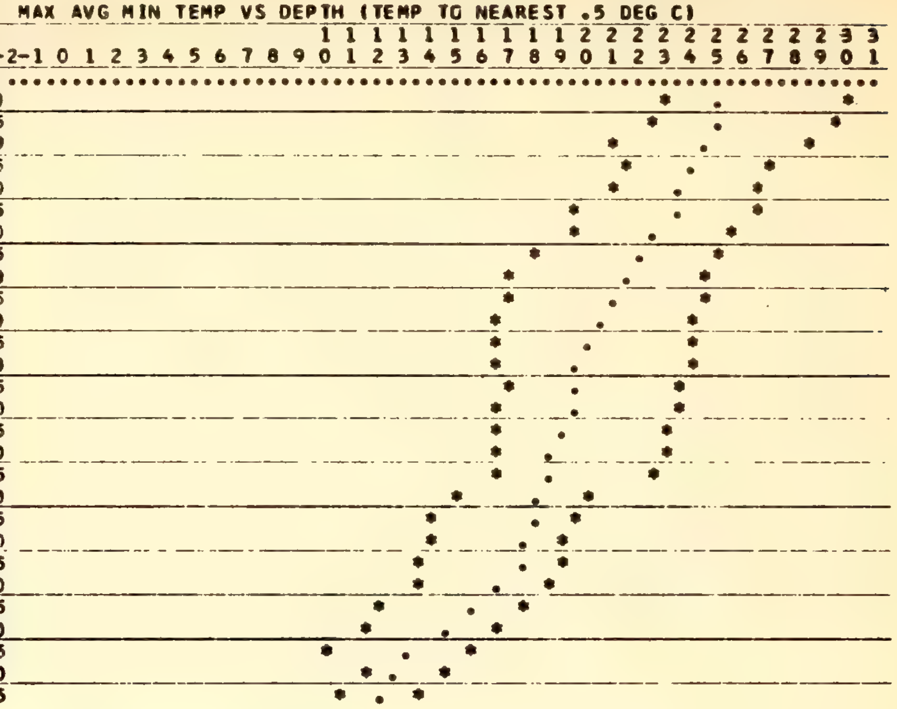


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 14 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.8	25.0	23.0	51	1.3	0.0	0.0	0.0	0
5	29.6	24.9	22.4	51	1.3	28.0	3.7	-10.0	5
10	28.6	24.4	21.0	49	1.2	38.0	9.1	-2.0	10
15	27.2	24.0	21.3	49	1.2	50.0	9.0	-30.0	15
20	26.7	23.7	20.8	49	1.2	24.0	5.5	-32.0	20
25	26.4	23.3	19.6	49	1.4	64.0	8.6	-22.0	25
30	25.7	22.7	19.3	48	1.6	40.0	12.0	0.0	30
35	25.1	22.0	17.9	48	1.8	62.0	13.7	-10.0	35
40	24.7	21.5	17.0	47	1.8	46.0	12.0	-4.0	40
45	24.4	20.9	16.8	47	1.6	36.0	12.0	2.0	45
50	24.2	20.5	16.5	46	1.5	30.0	8.5	-6.0	50
55	24.0	20.1	16.3	44	1.5	20.0	6.5	0.0	55
60	23.9	19.7	16.3	44	1.4	20.0	6.5	0.0	60
65	23.7	19.6	16.8	41	1.2	20.0	7.2	0.0	65
70	23.5	19.3	16.6	41	1.2	22.0	6.1	2.0	70
75	23.1	19.0	16.5	41	1.1	18.0	6.1	0.0	75
80	22.8	18.7	16.6	40	1.1	24.0	5.0	-2.0	80
85	22.7	18.5	16.4	39	1.2	32.0	5.8	0.0	85
90	19.8	18.1	15.2	38	1.1	38.0	5.8	-4.0	90
95	19.5	17.9	14.2	37	1.1	20.0	5.2	0.0	95
100	19.2	17.6	13.8	37	1.1	10.0	4.4	-2.0	100
125	19.1	17.5	13.5	36	1.1	16.0	3.4	-8.0	125
150	18.5	16.7	13.6	29	1.2	10.8	4.4	1.6	150
175	17.6	15.4	12.2	10	1.6	8.8	5.5	3.2	175
200	16.5	14.4	11.3	7	1.7	6.8	4.4	2.4	200
225	15.3	13.0	10.2	6	1.6	5.6	4.3	2.8	225
250	14.4	12.7	11.7	4	1.2	4.8	4.0	3.6	250
275	13.6	11.8	10.6	4	1.2	4.4	3.4	2.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 14 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.2	27.2	24.4	260	1.3	0.0	0.0	0.0	0
5	30.2	27.0	24.1	260	1.3	30.0	2.5	-14.0	5
10	30.2	26.9	24.0	260	1.2	58.0	3.6	-10.0	10
15	30.2	26.6	23.6	260	1.2	50.0	5.9	-4.0	15
20	30.2	26.1	19.6	258	1.5	84.0	9.3	-6.0	20
25	30.1	25.6	19.4	250	1.7	100.0	11.4	-8.0	25
30	29.8	25.1	19.4	246	1.8	50.0	10.9	-4.0	30
35	29.6	24.6	19.3	242	1.9	52.0	10.4	-2.0	35
40	29.5	24.1	18.6	237	1.9	40.0	11.9	0.0	40
45	29.2	23.5	17.3	233	2.1	52.0	12.2	0.0	45
50	28.7	23.1	18.4	226	2.0	36.0	10.4	0.0	50
55	28.5	22.7	18.2	224	2.0	38.0	10.0	0.0	55
60	28.4	22.3	17.8	220	1.9	34.0	8.7	-2.0	60
65	28.1	21.9	17.3	219	1.9	44.0	8.2	0.0	65
70	27.8	21.5	17.2	219	1.9	34.0	7.6	-8.0	70
75	27.6	21.2	17.0	218	1.9	34.0	6.9	0.0	75
80	27.3	20.9	17.6	216	1.9	24.0	6.5	-6.0	80
85	27.1	20.6	17.7	214	1.9	26.0	6.0	-2.0	85
90	26.9	20.3	17.5	214	1.8	20.0	5.4	-2.0	90
95	26.7	20.1	11.9	214	1.9	162.0	5.6	0.0	95
100	26.4	19.9	17.0	214	1.8	16.0	4.2	-144.0	100
125	26.2	19.6	16.9	213	1.8	20.0	4.9	0.0	125
150	25.0	18.4	15.0	211	1.8	12.4	4.9	0.0	150
175	23.2	17.3	12.5	190	1.7	14.0	4.8	2.0	175
200	21.8	16.2	11.4	185	1.6	8.4	4.4	0.8	200
225	20.3	15.2	10.5	169	1.5	8.0	4.0	0.0	225
250	19.2	14.2	10.4	152	1.5	9.6	3.9	0.4	250
275	18.2	13.4	10.8	136	1.4	6.4	3.4	0.8	275

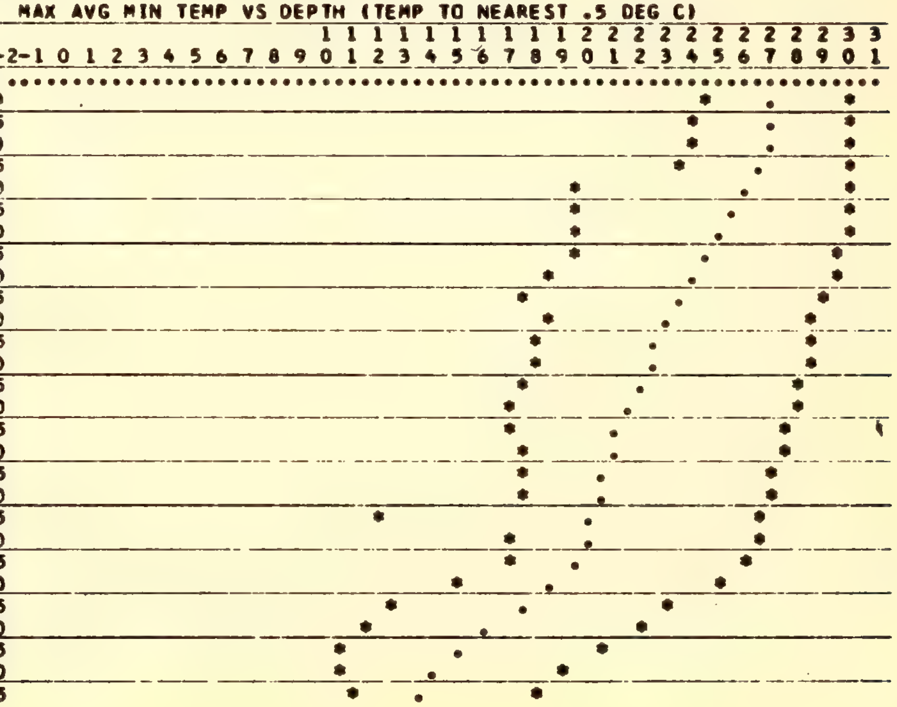
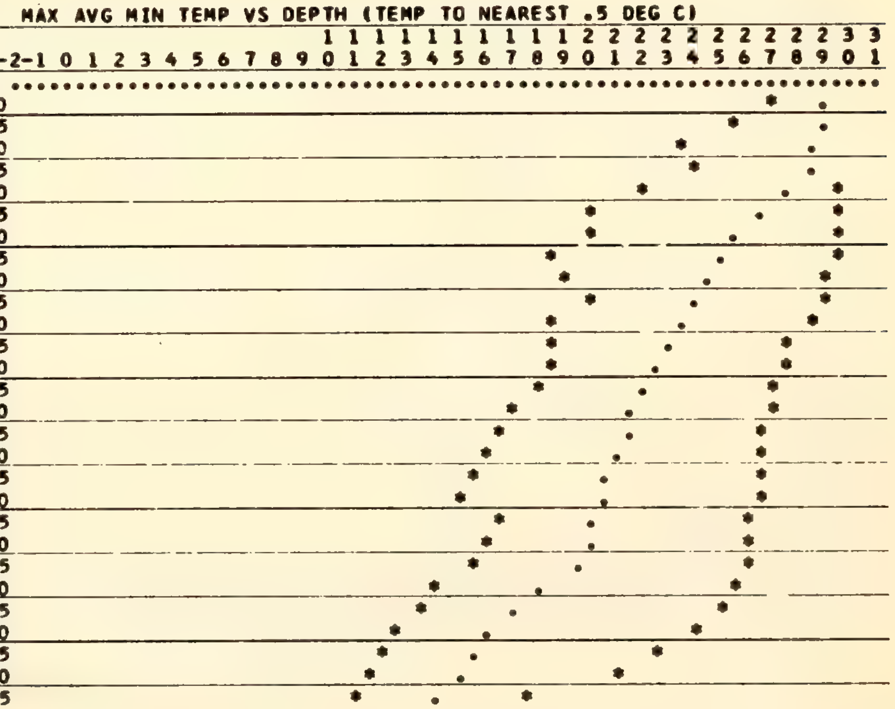


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 14   MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	31.6	29.0	27.2	159	0.7	0.0	0.0	0.0	0
5	31.4	28.8	25.6	159	0.9	64.0	4.6	-10.0	5
10	31.2	28.6	23.7	158	0.9	50.0	3.6	-10.0	10
15	31.1	28.3	24.0	150	1.1	94.0	6.9	-6.0	15
20	29.4	27.5	21.8	138	1.3	56.0	14.4	-4.0	20
25	29.4	26.4	20.0	131	1.8	80.0	21.2	0.0	25
30	29.4	25.5	20.1	119	2.1	114.0	20.4	0.0	30
35	29.4	25.0	18.7	103	2.2	64.0	18.2	0.0	35
40	29.2	24.4	19.1	97	2.1	42.0	17.3	0.0	40
45	28.9	23.8	19.8	93	2.0	34.0	15.2	0.0	45
50	28.3	23.3	18.7	88	2.0	30.0	14.1	0.0	50
55	27.6	23.0	18.3	78	2.0	26.0	11.2	2.0	55
60	27.4	22.5	18.3	78	2.0	22.0	10.5	0.0	60
65	27.2	22.1	17.8	76	1.9	22.0	9.7	4.0	65
70	27.0	21.7	17.2	76	1.9	20.0	8.6	-2.0	70
75	26.7	21.3	16.6	76	1.9	16.0	7.2	0.0	75
80	26.6	21.0	16.2	76	1.9	12.0	6.4	0.0	80
85	26.4	20.6	15.4	75	1.9	16.0	7.0	0.0	85
90	26.3	20.4	14.9	74	2.0	12.0	5.5	0.0	90
95	26.2	20.2	16.5	72	1.9	18.0	6.0	0.0	95
100	26.0	19.9	16.0	72	1.9	16.0	6.1	2.0	100
125	25.9	19.6	15.5	72	1.9	12.0	5.6	0.0	125
150	25.4	18.2	14.2	68	2.0	11.2	5.6	2.0	150
175	25.0	17.2	13.3	62	1.9	10.4	4.7	1.6	175
200	24.0	16.2	12.6	59	1.8	7.2	4.2	1.2	200
225	22.5	15.5	12.0	37	2.2	9.2	3.7	0.4	225
250	21.1	14.9	11.4	28	2.2	5.6	3.3	0.0	250
275	17.4	13.8	11.2	19	1.5	6.4	3.1	1.6	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 14   MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	31.6	29.4	27.8	253	0.5	0.0	0.0	0.0	0
5	31.8	29.3	28.1	253	0.5	26.0	1.7	-8.0	5
10	31.5	29.2	27.7	253	0.5	24.0	2.2	-6.0	10
15	30.5	29.0	26.7	253	0.5	46.0	2.5	-16.0	15
20	30.3	28.8	25.5	253	0.7	60.0	5.0	-20.0	20
25	30.1	28.3	23.0	253	1.2	66.0	9.8	-8.0	25
30	29.9	27.6	21.7	253	1.6	50.0	14.3	-12.0	30
35	29.8	26.8	20.7	253	1.9	56.0	16.3	-2.0	35
40	29.5	25.9	20.2	253	2.0	54.0	17.4	0.0	40
45	29.1	25.1	19.6	252	2.2	50.0	16.9	0.0	45
50	28.9	24.2	19.1	251	2.2	50.0	16.5	-4.0	50
55	28.8	23.5	19.0	250	2.2	40.0	14.6	2.0	55
60	28.2	22.8	18.3	250	2.2	46.0	13.7	0.0	60
65	28.0	22.4	18.0	235	2.2	38.0	12.1	2.0	65
70	27.8	21.9	17.6	235	2.2	34.0	9.9	-12.0	70
75	27.5	21.5	17.1	234	2.3	36.0	8.6	0.0	75
80	27.4	21.1	16.8	233	2.3	22.0	8.0	0.0	80
85	27.2	20.7	16.4	231	2.3	28.0	7.3	-4.0	85
90	27.1	20.3	16.0	224	2.4	24.0	7.0	2.0	90
95	27.0	20.0	15.5	217	2.4	20.0	6.6	0.0	95
100	26.9	19.7	15.2	217	2.4	22.0	5.5	-2.0	100
125	26.9	19.4	15.1	212	2.4	24.0	6.0	0.0	125
150	26.2	18.1	13.9	194	2.4	14.0	5.5	1.2	150
175	25.9	17.0	13.0	167	2.6	11.2	5.0	0.4	175
200	24.9	15.8	12.1	160	2.4	10.8	4.7	1.2	200
225	22.5	14.6	11.3	151	2.2	10.4	4.2	0.8	225
250	20.9	13.8	10.4	145	2.1	6.8	3.6	0.8	250
275	19.6	12.8	9.5	129	1.9	8.0	3.5	0.4	275

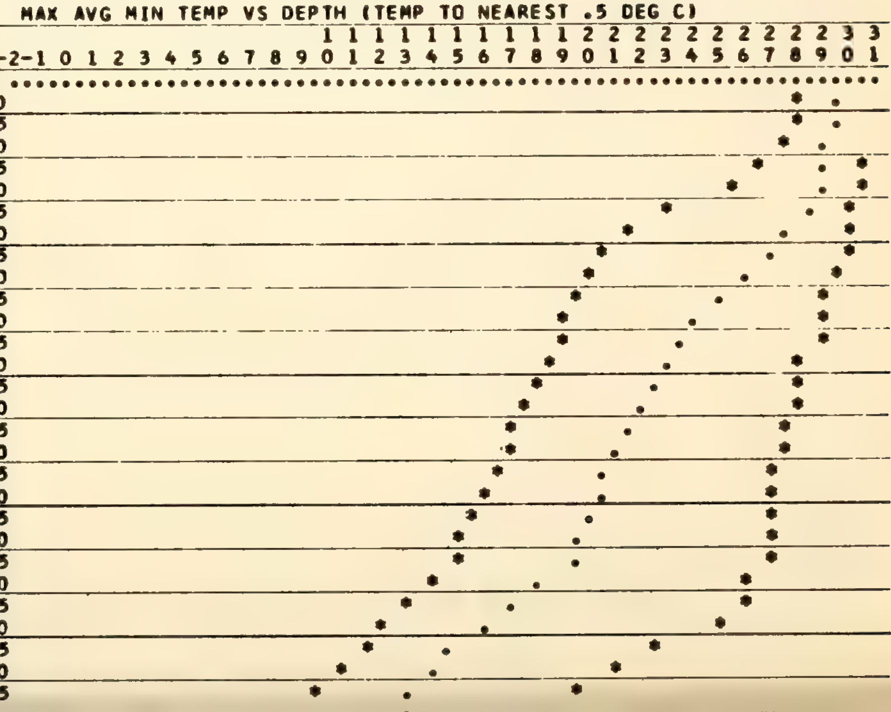
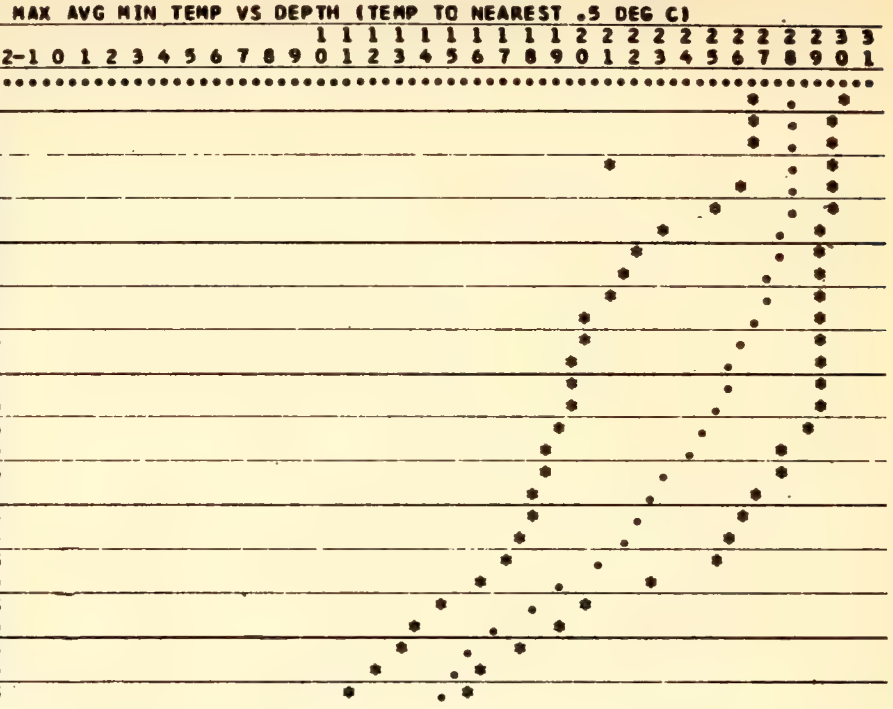


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 14 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.8	28.2	26.5	243	0.5	0.0	0.0	0.0	0
5	29.3	28.2	26.5	243	0.5	34.0	1.3	-6.0	5
10	29.3	28.1	26.4	243	0.5	12.0	0.7	-6.0	10
15	29.3	28.1	21.1	243	0.7	142.0	1.1	-10.0	15
20	29.5	28.1	25.9	243	0.6	28.0	0.4	-138.0	20
25	29.6	28.0	24.8	243	0.7	50.0	2.0	-12.0	25
30	29.0	27.7	23.1	242	0.9	46.0	4.1	-2.0	30
35	28.9	27.5	22.1	242	1.2	46.0	5.4	-2.0	35
40	28.9	27.2	21.3	242	1.5	46.0	5.6	-4.0	40
45	28.9	26.9	21.1	241	1.8	32.0	6.2	-2.0	45
50	28.9	26.6	20.2	240	2.0	48.0	7.1	-2.0	50
55	28.9	26.2	19.8	236	2.1	38.0	8.1	-4.0	55
60	28.9	25.7	19.5	236	2.2	50.0	9.9	-2.0	60
65	28.9	25.3	19.6	232	2.3	82.0	10.4	-2.0	65
70	28.9	24.8	19.4	232	2.4	40.0	9.9	-4.0	70
75	28.5	24.3	18.9	232	2.5	42.0	9.4	0.0	75
80	27.7	23.8	18.6	230	2.5	42.0	10.9	0.0	80
85	27.3	23.2	18.4	230	2.3	92.0	13.4	2.0	85
90	26.5	22.5	18.2	229	2.1	44.0	13.0	-4.0	90
95	26.2	21.9	17.9	221	1.9	62.0	13.9	-10.0	95
100	25.5	21.3	17.4	221	1.7	62.0	12.6	0.0	100
125	25.0	20.7	17.2	218	1.5	30.0	11.0	0.0	125
150	22.6	19.1	16.1	210	1.2	12.8	6.8	1.6	150
175	20.0	17.8	14.7	197	1.0	10.8	5.3	1.2	175
200	19.1	16.6	13.4	195	0.9	10.4	4.8	1.2	200
225	17.4	15.7	12.8	190	0.9	9.6	3.9	0.0	225
250	16.1	14.8	11.8	146	1.0	8.4	3.6	1.2	250
275	15.5	14.3	11.0	115	1.0	6.0	2.8	0.4	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 14 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.3	25.6	22.8	141	1.2	0.0	0.0	0.0	0
5	28.3	25.6	22.8	141	1.2	8.0	0.1	-10.0	5
10	28.3	25.7	22.8	136	1.2	8.0	-0.5	-20.0	10
15	28.3	25.8	22.9	133	1.1	2.0	-1.3	-26.0	15
20	28.3	25.9	22.8	124	1.0	14.0	-0.8	-24.0	20
25	28.3	26.1	23.5	118	0.9	20.0	-0.6	-14.0	25
30	28.3	26.1	23.4	115	0.9	16.0	0.0	-10.0	30
35	28.3	26.3	24.4	89	0.9	28.0	0.6	-2.0	35
40	28.3	26.2	24.5	89	0.9	38.0	1.5	-6.0	40
45	28.3	25.8	23.2	88	1.1	56.0	6.9	-4.0	45
50	28.3	25.4	22.3	85	1.4	54.0	8.8	-6.0	50
55	28.2	25.0	21.3	85	1.7	40.0	9.7	-4.0	55
60	28.2	24.4	20.5	84	2.0	34.0	12.0	-2.0	60
65	28.2	23.8	20.0	79	2.2	38.0	13.1	0.0	65
70	28.2	23.2	19.5	79	2.3	40.0	11.0	0.0	70
75	28.2	22.7	19.1	78	2.5	30.0	10.0	0.0	75
80	28.2	22.3	18.6	78	2.5	30.0	9.3	0.0	80
85	28.2	21.9	18.3	78	2.6	24.0	8.1	0.0	85
90	28.2	21.5	18.0	78	2.6	24.0	7.5	0.0	90
95	28.2	21.1	17.7	78	2.7	18.0	7.4	0.0	95
100	28.2	20.8	17.3	78	2.7	14.0	7.0	0.0	100
125	28.2	20.4	17.0	75	2.8	14.0	6.4	0.0	125
150	26.5	18.8	14.9	74	2.7	15.6	6.6	3.2	150
175	25.1	17.4	13.5	69	2.6	10.0	5.3	2.4	175
200	23.6	16.3	12.9	64	2.3	8.8	4.5	1.2	200
225	22.0	15.3	12.2	61	2.1	8.4	4.3	2.0	225
250	20.5	14.4	11.7	57	2.1	6.4	3.8	2.0	250
275	19.4	13.6	11.1	52	2.1	5.6	3.3	1.6	275

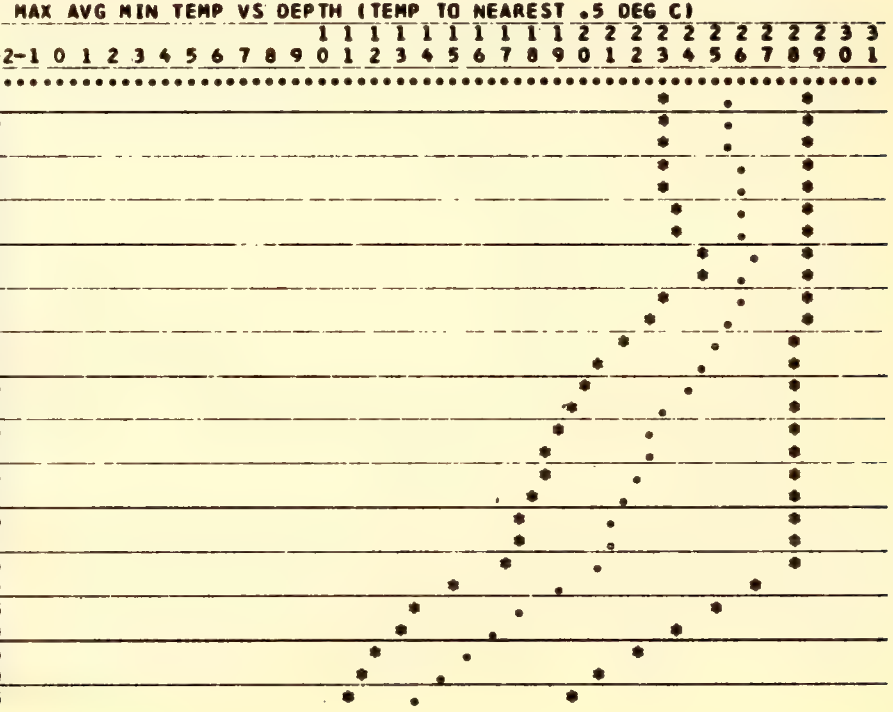
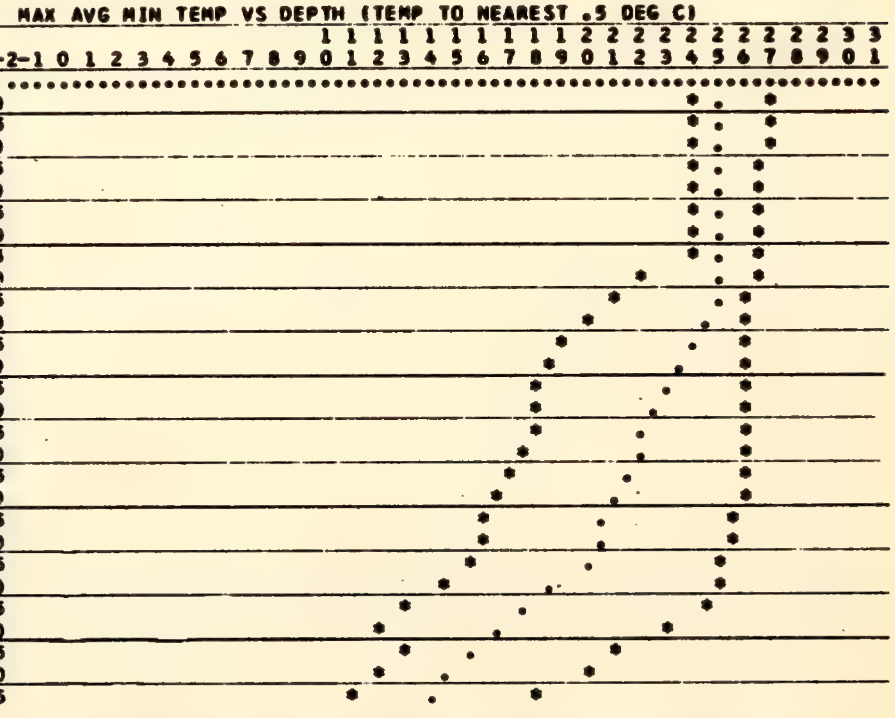


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 14 MONTH 11

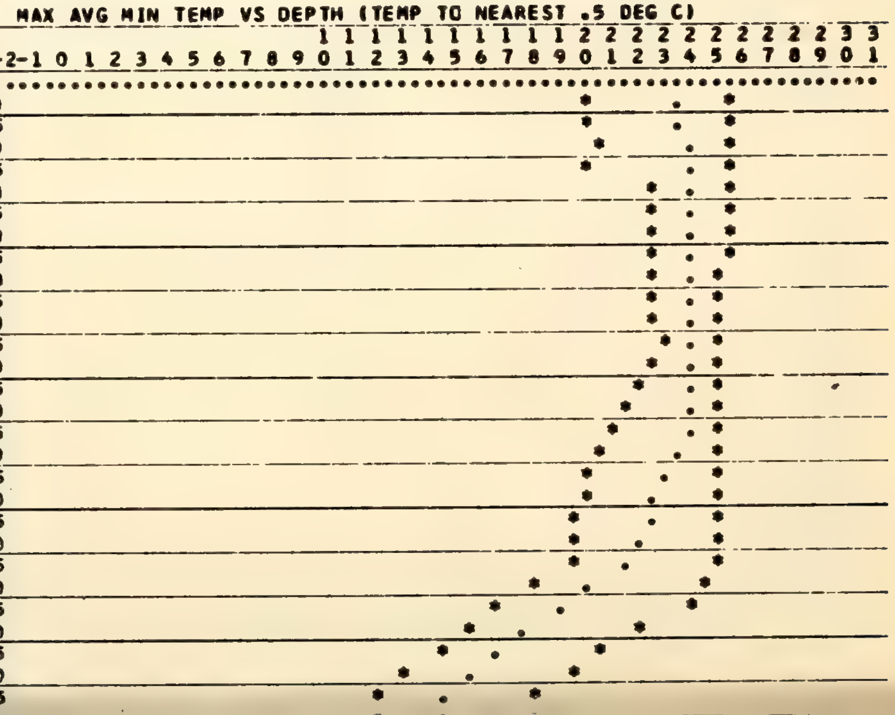
DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.9	25.1	24.0	73	0.6	0.0	0.0	0.0	0
5	26.9	25.1	24.0	73	0.6	2.0	-0.2	-6.0	5
10	26.8	25.1	23.9	73	0.6	4.0	0.3	-4.0	10
15	26.7	25.1	23.9	73	0.6	2.0	-0.0	-6.0	15
20	26.7	25.1	23.9	73	0.6	8.0	0.1	-6.0	20
25	26.7	25.1	23.9	73	0.6	6.0	0.1	-4.0	25
30	26.6	25.1	23.9	73	0.5	4.0	-0.1	-6.0	30
35	26.6	25.1	23.9	73	0.5	6.0	0.1	-6.0	35
40	26.6	25.0	21.8	73	0.7	46.0	2.0	-6.0	40
45	26.1	24.8	20.8	73	1.0	54.0	4.7	-6.0	45
50	26.1	24.3	19.9	73	1.4	56.0	8.9	-2.0	50
55	26.1	23.8	19.0	73	1.7	44.0	9.3	-2.0	55
60	26.1	23.4	18.3	73	2.0	42.0	8.3	0.0	60
65	25.9	23.0	18.1	73	2.1	42.0	8.5	0.0	65
70	25.9	22.6	18.0	73	2.3	44.0	8.6	-2.0	70
75	25.9	22.2	17.9	73	2.5	30.0	7.0	-2.0	75
80	25.9	21.8	17.3	73	2.6	36.0	7.6	-2.0	80
85	25.8	21.4	17.1	73	2.7	38.0	8.0	-8.0	85
90	25.8	21.0	16.3	73	2.7	26.0	8.1	0.0	90
95	25.3	20.7	16.1	73	2.7	26.0	7.7	0.0	95
100	25.3	20.3	16.0	73	2.8	20.0	7.2	0.0	100
125	25.2	20.0	15.7	72	2.8	26.0	6.6	0.0	125
150	25.2	18.6	14.6	69	3.0	13.2	5.5	0.0	150
175	24.4	17.5	13.2	65	2.8	14.0	5.1	2.4	175
200	23.0	16.4	12.2	62	2.5	10.4	4.6	0.0	200
225	21.2	15.5	12.8	57	2.2	9.2	4.2	1.6	225
250	19.9	14.6	12.0	54	2.0	8.0	3.8	1.6	250
275	18.1	13.9	10.9	46	1.8	7.2	3.9	1.6	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 14 MONTH 12

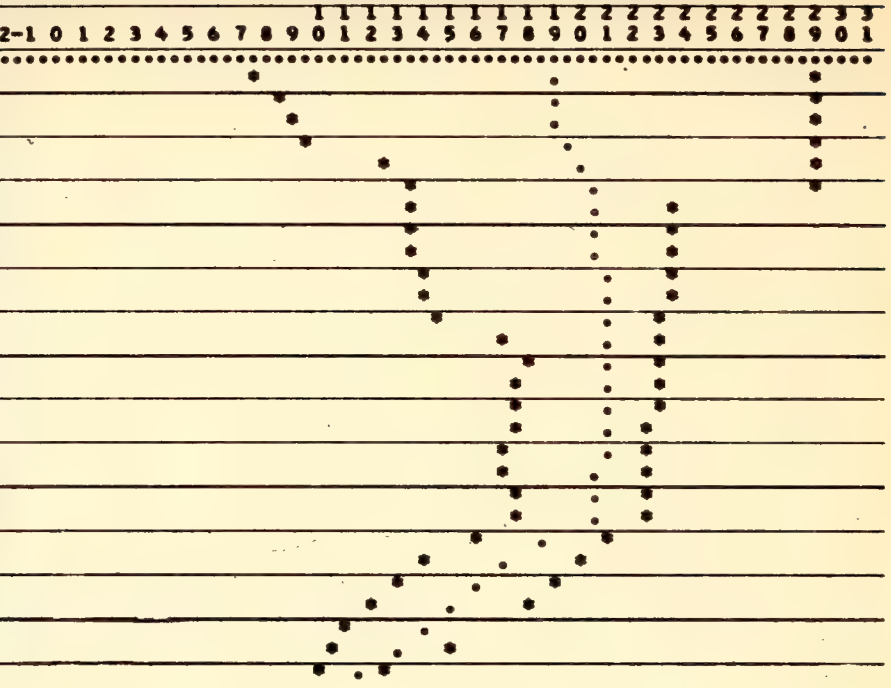
DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.3	23.6	20.1	39	1.4	0.0	0.0	0.0	0
5	25.3	23.6	20.1	39	1.5	8.0	0.5	-6.0	5
10	25.3	23.9	20.4	36	1.1	6.0	0.1	-8.0	10
15	25.3	23.9	20.1	36	1.2	6.0	0.1	-10.0	15
20	25.3	24.1	22.3	34	0.8	4.0	0.1	-6.0	20
25	25.3	24.1	22.3	34	0.8	6.0	0.4	-2.0	25
30	25.3	24.1	22.3	34	0.8	2.0	0.4	-2.0	30
35	25.3	24.0	22.3	34	0.8	4.0	0.4	0.0	35
40	25.2	24.0	22.3	34	0.8	6.0	0.7	0.0	40
45	25.2	24.0	22.3	34	0.8	6.0	0.8	0.0	45
50	25.2	23.9	22.3	34	0.8	4.0	0.4	0.0	50
55	25.2	24.1	22.8	30	0.6	8.0	0.7	0.0	55
60	25.1	24.1	22.7	30	0.7	12.0	1.1	0.0	60
65	25.1	24.0	22.0	30	0.8	14.0	1.5	0.0	65
70	25.1	23.9	21.5	30	0.9	12.0	1.5	0.0	70
75	25.1	23.8	21.0	30	1.0	24.0	3.0	-2.0	75
80	25.1	23.4	20.5	30	1.3	36.0	7.7	-2.0	80
85	25.1	23.0	19.9	30	1.5	46.0	8.6	-2.0	85
90	25.1	22.6	19.9	30	1.6	34.0	6.9	0.0	90
95	25.1	22.3	19.7	30	1.8	24.0	7.2	0.0	95
100	25.1	21.8	19.4	30	2.0	38.0	8.7	0.0	100
125	25.1	21.5	19.3	30	2.1	22.0	6.1	0.0	125
150	24.7	20.1	17.8	29	2.4	11.2	5.4	0.0	150
175	23.9	18.8	16.7	28	2.4	9.2	5.4	2.8	175
200	22.1	17.5	15.4	28	2.0	10.0	5.1	1.6	200
225	20.5	16.4	14.3	28	1.8	6.8	4.4	1.2	225
250	19.3	15.3	13.1	28	1.7	6.4	4.2	2.4	250
275	18.1	14.4	12.2	24	1.6	6.4	3.7	2.4	275



AREA 15 MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.1	19.1	7.5	603	3.1	0.0	0.0	0.0	0
5	29.1	19.1	8.4	603	3.0	18.0	-0.1	-36.0	5
10	29.1	19.1	9.2	602	3.0	8.0	-0.6	-40.0	10
15	29.1	19.5	9.5	567	2.5	42.0	-0.6	-52.0	15
20	29.1	20.0	12.5	510	2.0	20.0	-0.0	-46.0	20
25	29.1	20.3	13.4	459	1.6	22.0	0.2	-22.0	25
30	23.7	20.5	13.5	427	1.4	146.0	0.7	-10.0	30
35	23.7	20.6	13.6	399	1.3	16.0	0.4	-22.0	35
40	23.7	20.7	13.7	370	1.2	12.0	0.4	-8.0	40
45	23.5	20.8	13.8	342	1.1	28.0	0.5	-2.0	45
50	23.4	20.9	13.9	326	1.0	16.0	0.6	-2.0	50
55	23.0	21.0	14.5	305	0.9	20.0	0.6	-12.0	55
60	22.8	21.0	17.2	293	0.8	14.0	0.6	-2.0	60
65	22.8	21.0	17.9	267	0.7	16.0	0.6	-4.0	65
70	22.8	21.0	17.7	253	0.8	20.0	0.6	-2.0	70
75	22.8	21.0	17.6	250	0.8	30.0	1.0	-4.0	75
80	22.7	21.0	17.4	242	0.8	22.0	1.3	-2.0	80
85	22.4	20.9	17.2	233	0.8	26.0	2.1	-4.0	85
90	22.3	20.7	17.2	229	0.9	28.0	3.1	-6.0	90
95	22.3	20.6	17.7	218	0.9	26.0	3.9	-2.0	95
100	22.3	20.3	17.4	218	0.9	30.0	5.3	0.0	100
125	21.2	18.6	16.0	196	0.9	13.6	6.8	0.0	125
150	20.0	17.1	14.2	118	1.0	10.4	5.6	1.2	150
175	19.1	15.9	12.9	112	1.1	8.8	4.8	2.4	175
200	18.1	14.9	11.9	105	1.1	6.4	4.1	2.0	200
225	33.4	14.0	11.0	97	2.1	6.8	3.3	-76.4	225
250	15.0	13.0	10.3	77	0.8	82.8	4.2	1.6	250
275	12.5	11.5	10.0	31	0.6	8.0	4.4	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 15 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.4	18.4	12.0	383	2.2	0.0	0.0	0.0	0
5	24.4	18.4	12.1	382	2.2	18.0	0.3	-10.0	5
10	24.4	18.5	12.2	373	2.2	18.0	0.1	-18.0	10
15	24.4	18.6	12.2	363	2.1	22.0	-0.0	-20.0	15
20	24.3	18.9	11.5	325	1.8	80.0	0.5	-22.0	20
25	24.3	19.2	12.6	301	1.6	32.0	0.1	-24.0	25
30	24.2	19.3	13.0	286	1.4	22.0	0.5	-16.0	30
35	23.9	19.4	12.1	269	1.3	26.0	1.0	-12.0	35
40	23.6	19.6	12.9	243	1.1	24.0	1.0	-8.0	40
45	23.4	15.6	14.1	234	1.0	24.0	1.0	-6.0	45
50	23.2	19.6	14.9	227	1.0	16.0	1.0	-14.0	50
55	22.9	19.5	16.5	189	0.9	30.0	1.3	-2.0	55
60	22.9	19.6	16.2	180	0.9	12.0	0.7	-4.0	60
65	22.8	19.7	17.3	151	0.8	6.0	0.5	-2.0	65
70	22.8	19.6	17.0	150	0.8	20.0	0.9	-2.0	70
75	22.8	19.6	16.9	149	0.8	12.0	1.0	-2.0	75
80	22.7	19.5	16.9	145	0.9	22.0	1.3	-2.0	80
85	22.4	19.5	17.2	141	0.9	22.0	1.6	-2.0	85
90	22.1	19.4	16.9	139	0.9	28.0	2.1	-2.0	90
95	21.8	19.3	16.5	134	0.9	20.0	2.7	-2.0	95
100	21.7	19.1	16.4	134	1.0	28.0	3.7	0.0	100
125	21.2	17.8	15.4	122	1.1	14.0	5.9	0.0	125
150	19.1	16.6	14.8	47	1.0	9.6	5.3	2.0	150
175	17.6	15.5	13.7	46	1.0	8.4	4.7	2.0	175
200	16.5	14.4	12.6	45	0.9	7.6	4.4	2.0	200
225	15.9	13.5	11.9	39	0.9	5.6	3.5	1.6	225
250	14.4	12.5	11.2	34	0.9	6.8	3.6	2.4	250
275	13.5	12.1	10.5	18	0.8	4.4	2.9	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

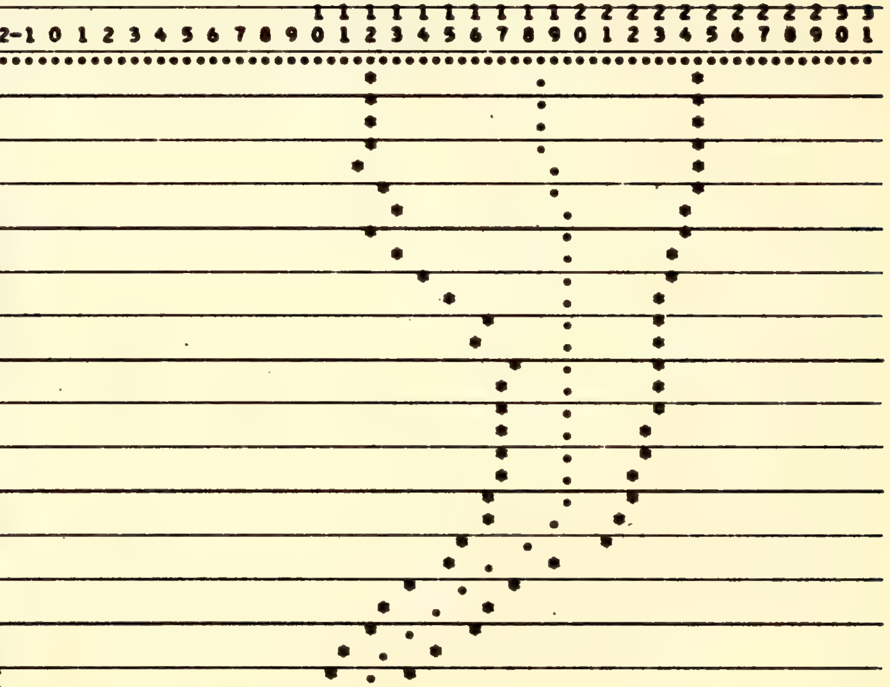
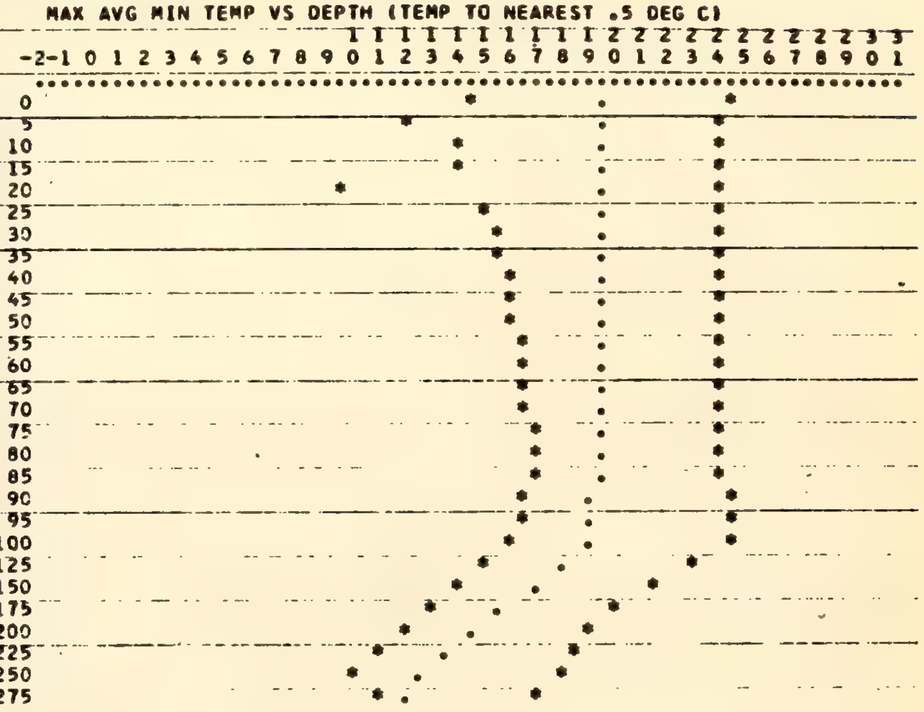


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 15 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	24.5	19.6	14.4	524	1.7	0.0	0.0	0.0
5	24.2	19.4	11.8	524	1.8	176.0	4.5	-20.0
10	24.1	19.3	14.0	517	1.8	54.0	2.7	-98.0
15	24.1	19.3	14.1	500	1.8	32.0	1.6	-44.0
20	24.1	19.5	9.7	463	1.7	202.0	1.8	-14.0
25	24.1	19.6	15.1	431	1.5	22.0	0.8	-200.0
30	24.1	19.7	15.6	414	1.4	34.0	1.5	-16.0
35	24.1	19.7	15.5	393	1.4	30.0	1.5	-14.0
40	24.1	19.7	16.0	372	1.3	20.0	1.3	-14.0
45	24.1	19.7	15.9	362	1.3	12.0	1.4	-4.0
50	24.1	19.7	16.2	346	1.2	12.0	1.5	-4.0
55	24.1	19.7	16.3	331	1.2	18.0	1.6	-2.0
60	24.1	19.7	16.3	322	1.2	14.0	1.5	-4.0
65	24.1	19.7	16.7	298	1.2	16.0	1.7	-2.0
70	24.1	19.6	16.6	296	1.1	16.0	1.7	-6.0
75	24.2	19.6	17.2	290	1.1	24.0	2.0	-4.0
80	24.2	19.5	17.1	285	1.1	28.0	2.4	-14.0
85	24.2	19.3	16.8	281	1.1	24.0	2.7	-4.0
90	24.3	19.2	16.6	273	1.1	36.0	2.8	-16.0
95	24.3	19.1	16.4	266	1.1	26.0	3.4	-2.0
100	24.3	18.9	16.0	266	1.1	20.0	3.9	0.0
125	23.2	17.9	15.1	245	1.2	12.4	4.4	0.0
150	21.5	16.8	13.9	187	1.3	10.0	5.0	0.0
175	20.1	15.5	12.9	176	1.1	10.8	4.9	1.6
200	19.1	14.4	12.2	162	1.0	8.0	4.1	1.2
225	18.3	13.5	10.9	145	1.0	5.2	3.8	0.8
250	17.8	12.5	10.0	73	1.1	6.8	3.5	1.6
275	17.2	12.2	10.8	16	1.5	7.2	3.0	1.6



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 15 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	24.8	21.5	18.2	218	1.1	0.0	0.0	0.0
5	24.3	21.4	18.1	218	1.0	30.0	1.3	-4.0
10	23.6	21.3	18.1	210	1.0	36.0	2.2	-8.0
15	23.5	21.2	17.9	207	1.0	32.0	2.0	-28.0
20	23.4	21.1	17.7	204	1.1	20.0	2.7	-10.0
25	23.4	21.0	17.2	202	1.1	32.0	3.7	-4.0
30	23.3	20.8	17.5	201	1.1	24.0	4.1	-4.0
35	23.1	20.6	17.3	196	1.0	28.0	4.4	-2.0
40	22.7	20.4	17.2	195	1.0	24.0	5.2	0.0
45	22.6	20.1	17.2	195	1.0	20.0	5.4	-2.0
50	22.4	19.9	16.9	188	0.9	16.0	4.9	0.0
55	22.4	19.7	16.6	186	0.9	14.0	4.0	-2.0
60	22.3	19.6	16.4	184	0.9	18.0	3.8	-2.0
65	22.2	19.4	16.2	184	0.9	16.0	3.6	0.0
70	21.8	19.2	16.2	184	0.9	12.0	3.0	-4.0
75	21.4	19.1	16.2	183	1.0	14.0	3.5	-2.0
80	21.2	18.9	16.2	180	1.0	24.0	3.5	-4.0
85	21.2	18.8	17.1	177	1.0	10.0	3.3	-8.0
90	21.2	18.6	16.9	175	1.0	18.0	4.0	-6.0
95	21.2	18.4	16.9	172	1.0	20.0	4.5	-4.0
100	21.2	18.2	16.7	172	1.0	14.0	4.3	0.0
125	21.1	17.3	15.5	166	1.1	8.4	3.6	0.4
150	18.4	16.0	14.2	137	0.5	7.2	3.9	0.8
175	17.0	14.9	13.7	135	0.5	6.8	4.3	0.4
200	15.7	13.9	12.9	128	0.4	6.0	3.8	1.6
225	14.8	13.0	12.1	112	0.3	6.0	3.4	1.2
250	14.0	12.2	11.2	106	0.3	6.0	3.1	1.6
275	12.2	11.5	10.9	37	0.3	4.0	2.5	1.2

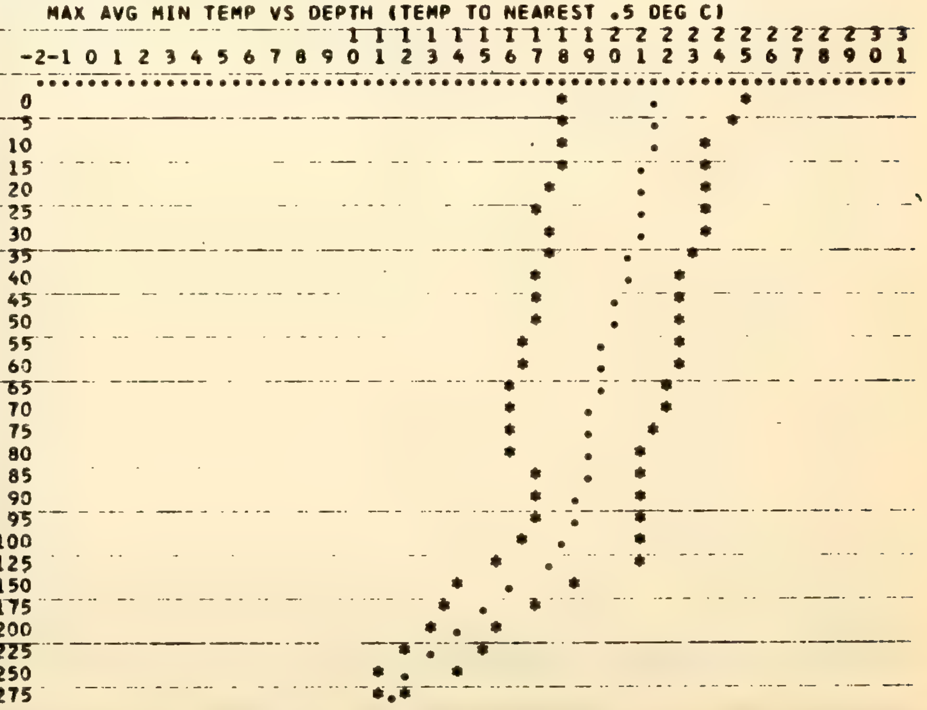


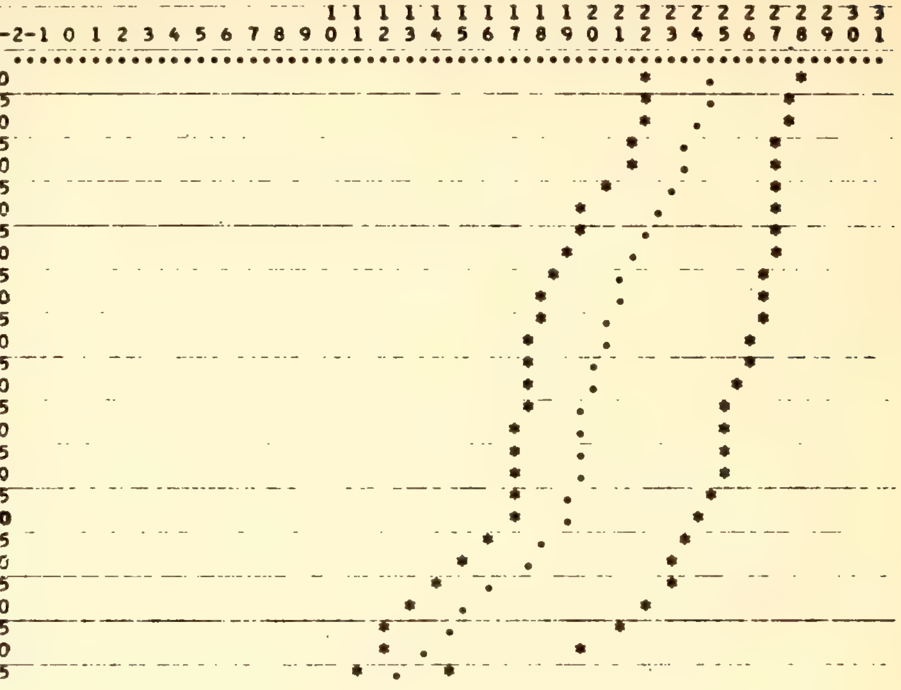
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 15 MONTH 5

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	28.1	24.5	22.1	516	1.0	0.0	0.0	0.0	0
5	27.6	24.3	22.1	516	1.0	42.0	5.0	-10.0	5
10	27.3	23.9	21.8	476	1.0	42.0	6.6	-8.0	10
15	27.2	23.6	21.4	434	1.0	56.0	6.4	-10.0	15
20	27.2	23.4	21.4	363	1.1	44.0	6.7	-12.0	20
25	27.2	23.0	20.6	307	1.1	52.0	9.3	-40.0	25
30	27.2	22.5	19.7	280	1.2	64.0	10.9	-10.0	30
35	27.1	22.1	19.3	255	1.2	50.0	9.3	-14.0	35
40	27.0	21.6	18.9	227	1.2	52.0	9.6	-6.0	40
45	26.4	21.2	18.4	208	1.3	52.0	8.9	-2.0	45
50	26.3	20.8	18.0	189	1.3	58.0	8.3	-10.0	50
55	26.3	20.5	17.8	175	1.3	28.0	6.4	-10.0	55
60	26.1	20.3	17.7	168	1.3	24.0	5.2	0.0	60
65	25.8	20.1	17.3	160	1.3	18.0	4.8	-2.0	65
70	25.3	19.9	17.3	154	1.3	18.0	4.2	-4.0	70
75	25.2	19.7	17.4	150	1.3	16.0	4.0	-2.0	75
80	25.1	19.6	17.2	144	1.3	22.0	3.7	0.0	80
85	24.9	19.4	17.1	137	1.3	12.0	2.9	0.0	85
90	24.8	19.4	17.1	129	1.3	12.0	3.0	-2.0	90
95	24.4	19.2	17.1	123	1.3	12.0	2.8	-2.0	95
100	24.2	19.1	16.9	123	1.3	14.0	3.2	-18.0	100
125	23.3	18.2	15.8	111	1.3	8.0	3.7	0.0	125
150	23.2	17.3	14.8	96	1.4	8.4	4.2	-0.4	150
175	22.8	16.2	13.9	89	1.4	10.0	4.4	0.8	175
200	21.9	15.2	13.0	83	1.3	6.8	3.9	1.2	200
225	20.8	14.4	12.0	76	1.3	8.0	3.5	0.8	225
250	19.4	13.7	12.0	45	1.4	8.4	3.2	0.8	250
275	14.5	12.6	11.0	10	1.2	4.0	2.8	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 15 MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	31.6	27.6	24.8	294	1.2	0.0	0.0	0.0	0
5	31.6	27.5	24.9	294	1.1	34.0	2.1	-10.0	5
10	31.6	27.4	24.0	290	1.2	56.0	3.2	-6.0	10
15	31.2	27.1	23.6	280	1.2	58.0	5.9	-3.0	15
20	30.3	26.5	22.2	265	1.3	68.0	11.4	-9.0	20
25	29.4	25.9	20.6	256	1.4	64.0	14.0	-4.0	25
30	28.9	25.0	20.2	244	1.6	92.0	17.3	-8.0	30
35	28.1	24.1	19.4	225	1.5	84.0	18.7	-2.0	35
40	27.0	23.2	19.6	198	1.5	44.0	16.5	-2.0	40
45	26.9	22.4	19.4	183	1.4	82.0	15.3	-2.0	45
50	26.8	22.0	19.0	158	1.4	36.0	10.3	0.0	50
55	26.8	21.6	18.6	141	1.3	36.0	8.4	-2.0	55
60	26.7	21.3	18.6	136	1.2	30.0	7.6	0.0	60
65	26.5	21.1	18.5	112	1.2	30.0	6.6	0.0	65
70	26.0	20.9	18.2	110	1.2	18.0	5.7	0.0	70
75	25.0	20.7	18.4	100	1.1	20.0	5.8	0.0	75
80	23.5	20.4	18.2	91	1.0	18.0	5.2	0.0	80
85	23.1	20.1	17.8	88	1.0	18.0	5.5	0.0	85
90	22.7	19.8	17.4	87	1.0	24.0	5.5	0.0	90
95	22.3	19.6	17.3	82	0.9	14.0	4.1	-2.0	95
100	22.1	19.3	17.0	81	0.9	16.0	5.0	0.0	100
125	20.1	18.3	16.0	64	0.8	13.6	4.9	-0.4	125
150	19.0	17.0	14.9	58	0.8	8.0	5.1	1.6	150
175	18.2	16.0	14.1	54	0.8	6.8	4.5	1.6	175
200	17.1	15.0	13.2	49	0.7	6.4	4.0	1.6	200
225	15.9	14.1	12.5	40	0.7	5.6	3.7	2.0	225
250	15.0	13.3	12.3	27	0.6	5.6	3.6	2.4	250
275	13.7	12.2	11.4	14	0.5	4.4	3.1	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

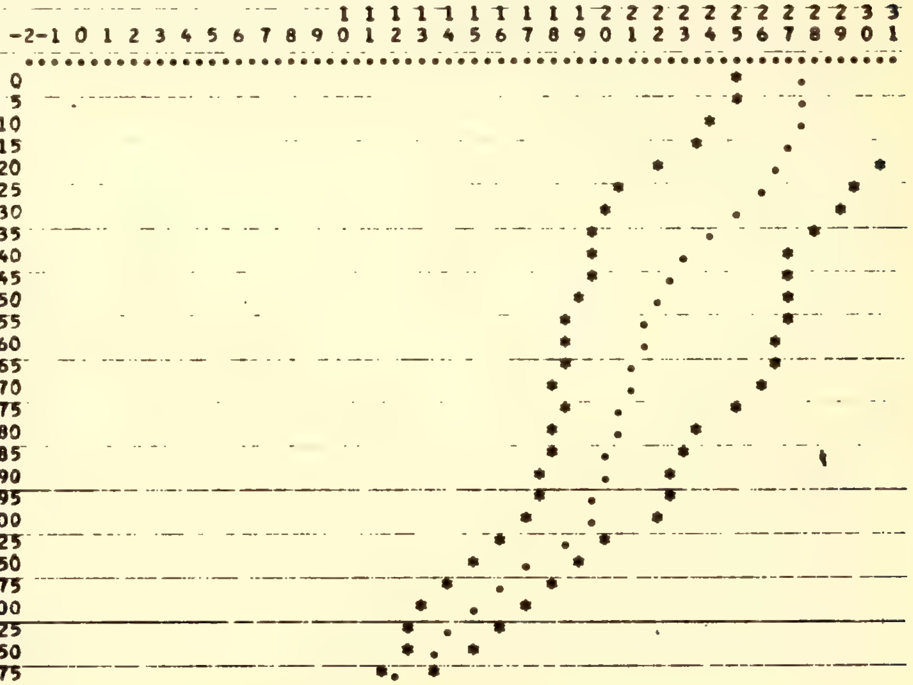


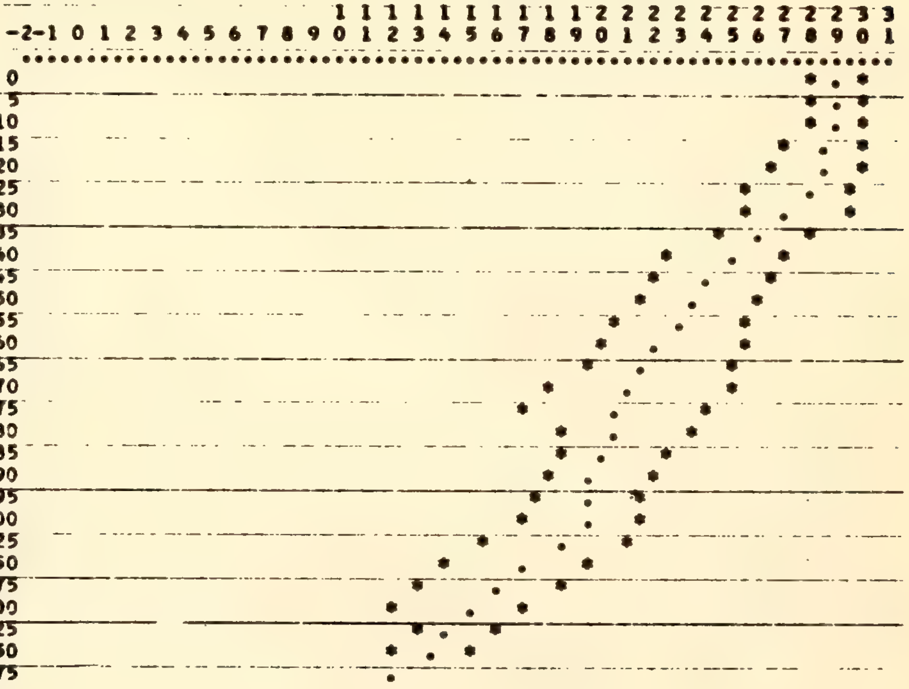
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 15 MONTH 7

DEPTH							GRADIENT		
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	30.2	29.0	28.0	40	0.5	0.0	0.0	0.0	0
5	30.1	29.0	28.0	40	0.5	12.0	0.8	-2.0	5
10	30.1	28.9	27.9	40	0.5	18.0	1.7	-8.0	10
15	30.1	28.7	27.2	40	0.7	32.0	5.2	-2.0	15
20	29.9	28.3	26.5	33	0.8	44.0	7.9	0.0	20
25	29.6	27.9	25.6	29	0.8	46.0	11.0	0.0	25
30	29.5	26.9	25.4	29	0.9	46.0	19.2	2.0	30
35	28.1	25.9	24.3	28	0.9	52.0	20.5	2.0	35
40	26.9	24.9	22.6	28	0.9	50.0	20.1	4.0	40
45	26.5	24.1	21.9	28	1.1	36.0	15.5	0.0	45
50	26.0	23.3	21.3	26	1.3	46.0	19.5	2.0	50
55	25.6	22.8	20.5	22	1.3	42.0	15.5	4.0	55
60	25.4	22.1	20.0	21	1.2	32.0	14.9	4.0	60
65	25.1	21.6	19.7	19	1.3	22.0	12.2	4.0	65
70	24.8	21.1	18.1	19	1.4	32.0	10.1	6.0	70
75	24.1	20.6	17.0	19	1.5	22.0	9.5	6.0	75
80	23.5	20.4	18.7	18	1.2	12.0	8.7	6.0	80
85	22.6	20.0	18.3	18	1.2	18.0	7.2	2.0	85
90	22.0	19.7	17.8	18	1.2	12.0	6.7	2.0	90
95	21.6	19.5	17.3	17	1.2	10.0	5.1	2.0	95
100	21.5	19.3	16.9	17	1.3	10.0	4.2	2.0	100
125	20.8	18.4	15.4	15	1.4	6.4	4.4	2.8	125
150	19.6	17.2	14.2	14	1.6	7.6	4.9	2.0	150
175	18.3	15.9	12.9	12	1.5	6.8	4.6	3.6	175
200	17.2	14.9	12.0	12	1.4	5.2	3.9	1.2	200
225	15.9	14.1	12.8	10	0.9	5.2	3.5	0.4	225
250	15.0	13.4	12.2	8	1.0	4.8	2.8	0.8	250
275	12.2	12.2	12.2	1	0.0	4.8	4.8	4.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 15 MONTH 8

DEPTH							GRADIENT		
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	30.4	29.0	27.2	192	0.6	0.0	0.0	0.0	0
5	30.5	28.9	27.0	192	0.6	20.0	1.7	-10.0	5
10	30.2	28.8	26.3	191	0.6	20.0	1.5	-8.0	10
15	30.1	28.7	26.4	191	0.7	26.0	1.9	-6.0	15
20	29.9	28.5	25.7	187	0.8	44.0	4.3	-8.0	20
25	29.9	28.2	24.6	175	1.0	52.0	7.1	-12.0	25
30	29.5	27.5	22.3	170	1.4	60.0	13.9	-8.0	30
35	29.2	26.5	21.4	160	1.7	66.0	21.7	-24.0	35
40	29.2	25.2	20.9	156	1.8	72.0	25.6	0.0	40
45	29.0	24.1	20.3	148	1.8	58.0	24.4	0.0	45
50	28.4	23.1	20.0	145	1.7	64.0	20.5	0.0	50
55	28.4	22.4	19.4	131	1.5	60.0	16.5	0.0	55
60	25.9	21.8	19.1	129	1.4	50.0	12.8	0.0	60
65	24.5	21.3	18.3	118	1.3	36.0	10.8	0.0	65
70	24.0	20.9	17.8	118	1.3	24.0	8.4	0.0	70
75	23.5	20.6	17.4	112	1.3	22.0	7.3	0.0	75
80	23.3	20.3	17.2	109	1.3	20.0	6.9	0.0	80
85	23.0	20.0	16.7	105	1.3	30.0	6.5	0.0	85
90	22.7	19.7	16.6	102	1.3	16.0	5.7	0.0	90
95	22.4	19.4	16.5	96	1.3	16.0	6.2	0.0	95
100	22.3	19.2	16.0	96	1.3	14.0	5.5	0.0	100
125	21.4	17.9	14.4	81	1.4	11.2	5.7	1.6	125
150	20.1	16.6	13.2	74	1.4	13.2	5.4	2.4	150
175	19.2	15.4	12.1	69	1.4	9.2	5.0	2.0	175
200	18.4	14.3	11.3	63	1.4	7.2	4.4	0.4	200
225	15.6	13.2	10.6	56	1.3	6.8	4.0	0.4	225
250	14.2	12.4	9.3	33	1.4	7.2	4.0	1.2	250
275	13.5	11.3	8.9	17	1.5	5.6	3.9	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

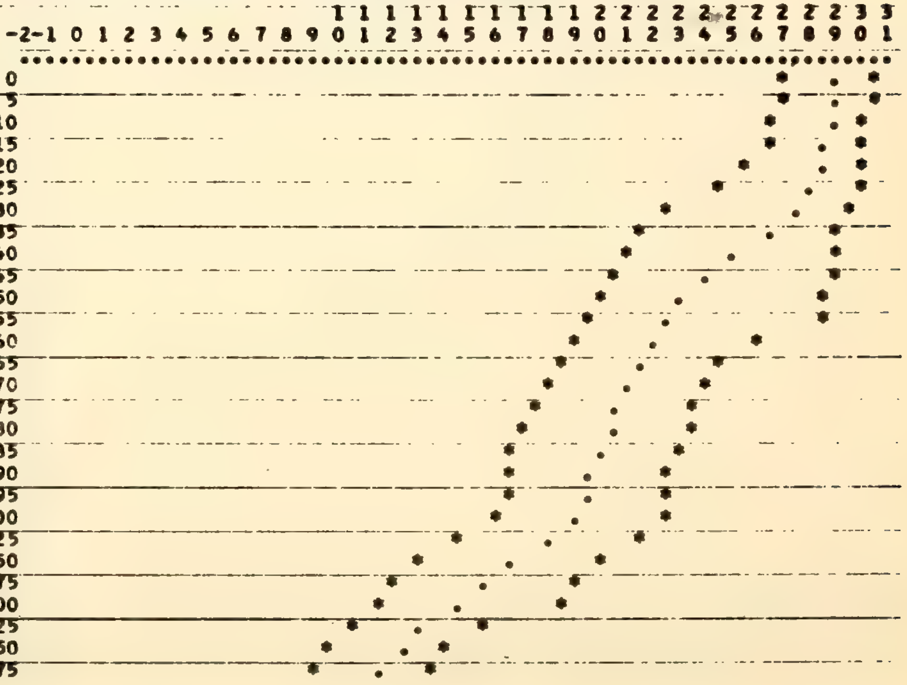


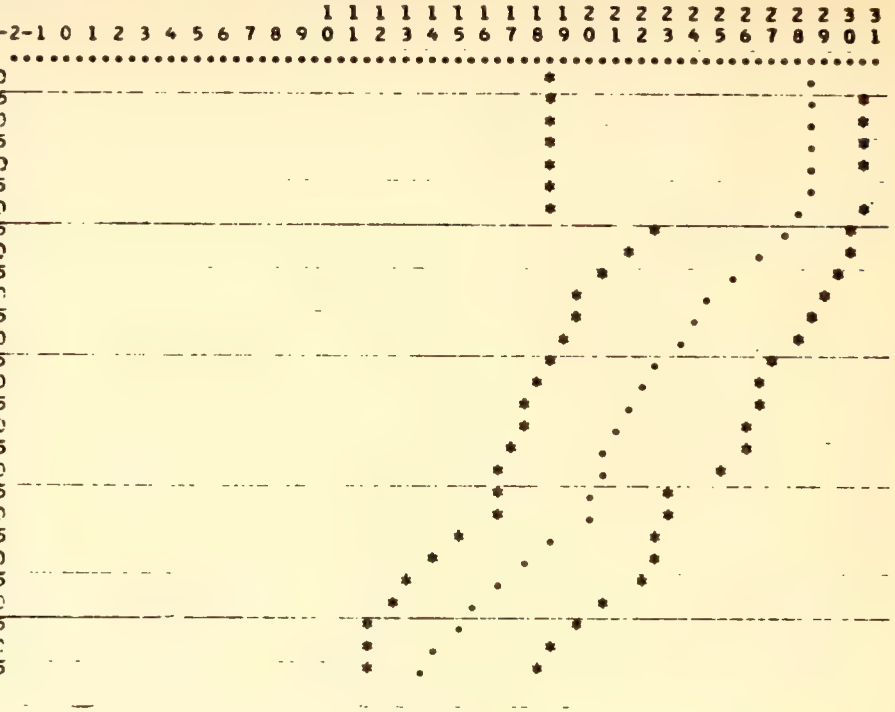
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 15 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.9	28.5	18.5	365	0.8	0.0	0.0	0.0	0
5	30.7	28.4	18.5	365	0.8	24.0	0.8	-20.0	5
10	30.7	28.4	18.5	352	0.8	12.0	0.4	-16.0	10
15	30.7	28.4	18.5	335	0.8	10.0	0.6	-8.0	15
20	30.7	28.4	18.5	297	0.9	48.0	1.2	-14.0	20
25	30.8	28.3	18.4	278	1.0	42.0	3.3	-10.0	25
30	30.3	27.9	18.4	267	1.2	56.0	6.9	-6.0	30
35	30.2	27.4	22.4	249	1.4	84.0	11.5	-6.0	35
40	30.1	26.5	21.6	224	1.8	86.0	17.0	-2.0	40
45	29.5	25.6	20.5	214	2.2	78.0	20.0	0.0	45
50	29.1	24.7	19.6	206	2.3	66.0	17.9	0.0	50
55	28.6	23.9	19.5	198	2.3	78.0	16.8	0.0	55
60	28.0	23.3	19.1	183	2.1	64.0	16.0	-2.0	60
65	27.0	22.6	18.7	172	1.9	50.0	14.6	0.0	65
70	26.5	22.0	18.1	169	1.8	46.0	12.7	-8.0	70
75	26.3	21.5	17.4	165	1.7	34.0	11.2	0.0	75
80	26.2	21.1	17.3	161	1.7	50.0	9.0	0.0	80
85	25.9	20.7	17.0	155	1.6	30.0	8.0	-2.0	85
90	25.1	20.3	16.7	154	1.5	44.0	8.0	0.0	90
95	23.2	20.1	16.6	142	1.5	38.0	6.9	0.0	95
100	22.9	19.8	16.5	142	1.5	22.0	6.3	0.0	100
125	22.6	18.6	15.2	123	1.6	21.6	5.6	0.8	125
150	22.3	17.7	14.1	98	1.7	9.2	4.5	0.8	150
175	21.8	16.7	13.2	93	1.8	7.6	4.1	0.8	175
200	20.6	15.7	12.7	87	1.6	10.8	4.0	0.8	200
225	19.6	14.8	11.4	84	1.6	8.0	3.7	0.8	225
250	18.5	14.1	11.4	59	1.6	6.0	3.5	1.6	250
275	17.8	13.7	11.3	26	1.4	4.8	3.1	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 15 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.9	27.0	23.5	118	1.3	0.0	0.0	0.0	0
5	28.9	27.0	23.5	118	1.3	8.0	-0.0	-10.0	5
10	28.9	27.0	23.5	118	1.3	4.0	0.1	-14.0	10
15	28.9	27.0	23.5	118	1.3	4.0	0.1	-8.0	15
20	28.9	27.0	23.4	116	1.3	4.0	-0.2	-38.0	20
25	28.9	27.0	23.3	115	1.3	6.0	-0.2	-26.0	25
30	28.9	27.0	23.2	114	1.3	4.0	0.3	-6.0	30
35	28.9	27.0	22.6	113	1.3	46.0	1.7	-6.0	35
40	28.8	26.7	21.4	113	1.5	102.0	6.1	-2.0	40
45	28.8	26.4	20.7	109	1.7	54.0	7.4	-6.0	45
50	28.8	25.9	20.3	107	2.0	62.0	10.1	-2.0	50
55	28.4	25.1	20.0	104	2.1	66.0	16.8	0.0	55
60	28.3	24.1	19.5	103	2.0	100.0	20.5	0.0	60
65	28.7	23.3	19.4	100	1.8	64.0	15.7	0.0	65
70	27.4	22.7	19.0	100	1.7	50.0	12.9	0.0	70
75	26.0	22.0	12.0	98	1.8	176.0	14.4	2.0	75
80	25.3	21.5	18.4	98	1.4	38.0	8.5	-156.0	80
85	24.9	21.1	18.2	96	1.3	62.0	9.5	2.0	85
90	24.4	20.7	18.0	95	1.2	40.0	8.9	2.0	90
95	25.0	20.3	17.7	93	1.3	24.0	6.8	-40.0	95
100	23.1	20.0	17.5	93	1.1	68.0	7.1	0.0	100
125	21.1	18.5	16.5	84	0.9	17.2	6.1	1.6	125
150	19.8	17.2	15.3	67	0.9	12.0	5.8	1.2	150
175	18.7	15.9	12.9	62	0.9	14.4	5.4	2.0	175
200	16.9	14.8	13.0	50	0.7	10.0	4.6	1.6	200
225	14.5	13.6	12.4	40	0.5	9.2	4.3	0.0	225
250	13.8	12.8	11.7	28	0.5	6.8	3.4	1.6	250
275	13.0	12.0	11.1	18	0.5	7.6	3.1	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

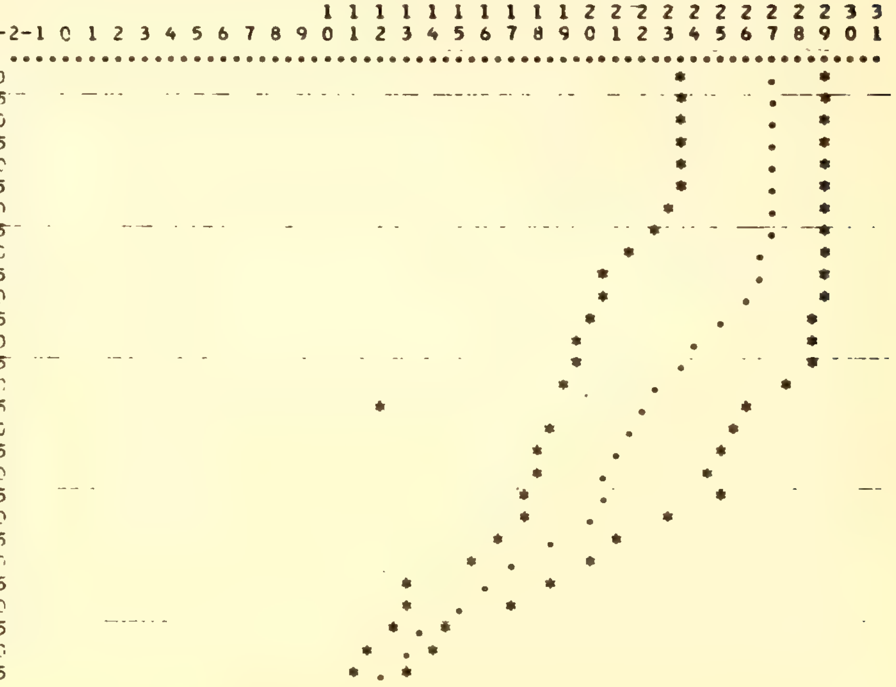
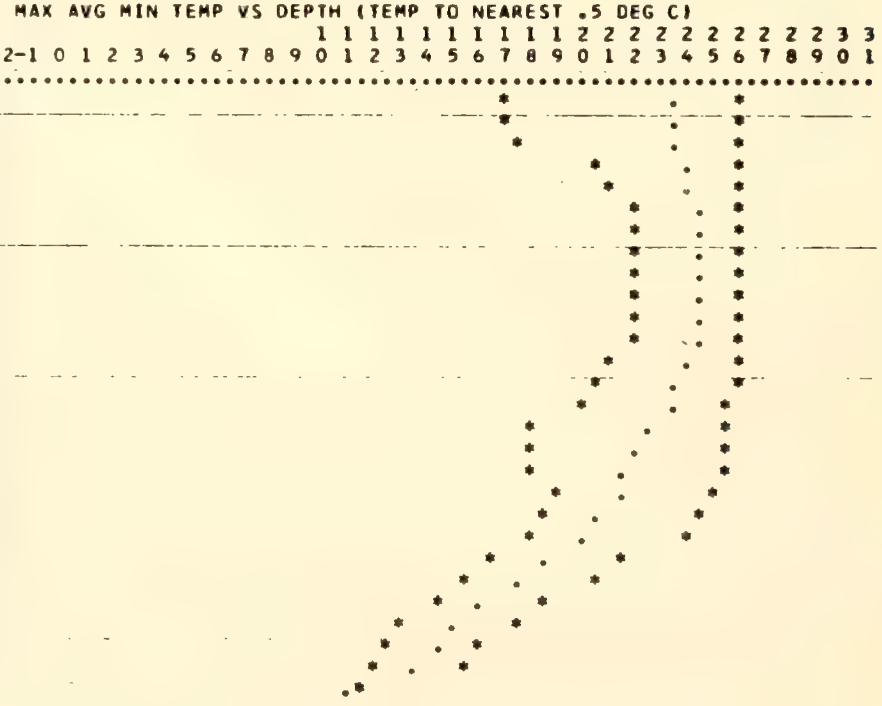


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 15 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.8	23.3	16.8	132	2.2	0.0	0.0	0.0	0
5	25.8	23.3	17.0	132	2.3	22.0	0.3	-16.0	5
10	25.8	23.7	17.6	122	1.6	18.0	0.1	-18.0	10
15	25.8	24.0	20.6	118	1.2	6.0	-0.3	-10.0	15
20	25.8	24.0	20.8	116	1.1	8.0	-0.3	-12.0	20
25	25.8	24.3	21.8	105	0.8	6.0	-0.5	-20.0	25
30	25.8	24.3	21.9	102	0.8	8.0	-0.4	-20.0	30
35	25.8	24.4	21.9	101	0.9	12.0	-0.2	-12.0	35
40	25.9	24.4	22.0	99	0.8	14.0	0.0	-16.0	40
45	25.9	24.4	21.9	96	0.8	16.0	0.7	-10.0	45
50	25.9	24.4	22.1	90	0.8	24.0	2.0	-6.0	50
55	25.8	24.3	22.0	85	0.9	34.0	2.8	-4.0	55
60	25.8	24.0	21.1	81	1.0	50.0	5.8	-4.0	60
65	25.8	23.7	20.7	69	1.2	36.0	7.7	-4.0	65
70	25.7	23.3	20.9	69	1.5	54.0	9.2	-6.0	70
75	25.6	22.7	18.2	69	1.6	36.0	12.5	-4.0	75
80	25.5	22.0	17.9	68	1.7	34.0	11.6	-2.0	80
85	25.5	21.6	17.9	66	1.6	28.0	10.5	0.0	85
90	25.1	21.3	18.9	64	1.4	18.0	9.1	2.0	90
95	24.3	20.6	18.5	62	1.3	28.0	10.7	2.0	95
100	24.0	20.2	18.2	62	1.2	18.0	8.0	2.0	100
125	21.3	18.6	16.5	54	1.1	12.0	6.6	2.4	125
150	20.4	17.3	15.4	46	1.1	7.6	5.0	2.0	150
175	18.5	16.2	14.5	46	1.0	7.6	4.5	2.4	175
200	17.5	15.2	13.2	45	1.0	6.8	4.0	2.0	200
225	16.2	14.4	12.7	40	0.8	6.0	3.7	2.0	225
250	15.4	13.6	11.8	38	0.9	5.2	3.0	0.8	250
275	11.4	11.2	11.1	3	0.1	6.0	4.0	2.8	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 15 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.7	22.0	16.3	129	2.0	0.0	0.0	0.0	0
5	24.7	22.0	16.2	129	2.0	8.0	0.2	-6.0	5
10	24.7	22.2	16.7	124	1.7	4.0	0.0	-4.0	10
15	24.7	22.3	17.6	121	1.5	4.0	0.0	-6.0	15
20	24.7	22.5	18.4	116	1.3	4.0	0.2	-2.0	20
25	24.7	22.6	18.4	113	1.2	2.0	0.1	-2.0	25
30	24.7	22.5	18.4	112	1.2	6.0	0.3	-4.0	30
35	24.7	22.6	19.6	108	1.1	6.0	0.4	-2.0	35
40	24.6	22.7	19.5	106	1.1	10.0	0.3	-4.0	40
45	24.6	22.7	19.5	102	1.0	6.0	0.2	-2.0	45
50	24.6	22.8	20.5	97	1.0	38.0	0.6	-2.0	50
55	24.6	22.8	20.1	92	1.0	10.0	0.4	-2.0	55
60	24.6	22.8	19.9	90	1.0	8.0	0.6	-2.0	60
65	24.6	22.9	19.9	82	0.9	16.0	1.0	-2.0	65
70	24.4	22.7	19.5	82	1.0	36.0	3.6	-2.0	70
75	24.4	22.5	19.3	81	1.1	28.0	4.6	0.0	75
80	24.0	22.0	19.1	81	1.1	40.0	9.3	-2.0	80
85	23.6	21.4	18.8	79	1.1	42.0	11.9	0.0	85
90	23.4	20.9	18.4	77	1.2	42.0	10.4	-2.0	90
95	22.8	20.3	18.1	72	1.1	44.0	11.1	0.0	95
100	22.7	19.9	17.7	72	1.1	46.0	8.6	0.0	100
125	19.4	18.1	16.5	65	0.7	14.8	6.9	3.2	125
150	18.1	16.9	14.7	61	0.7	8.4	5.2	2.0	150
175	17.1	15.8	13.9	60	0.7	9.2	4.3	1.6	175
200	16.2	14.8	12.9	54	0.7	6.0	4.0	2.4	200
225	15.2	13.9	11.7	51	0.8	7.2	3.8	2.4	225
250	14.4	13.0	11.1	44	0.9	4.8	3.5	2.0	250
275	13.7	12.5	10.6	31	0.7	4.4	3.2	2.0	275

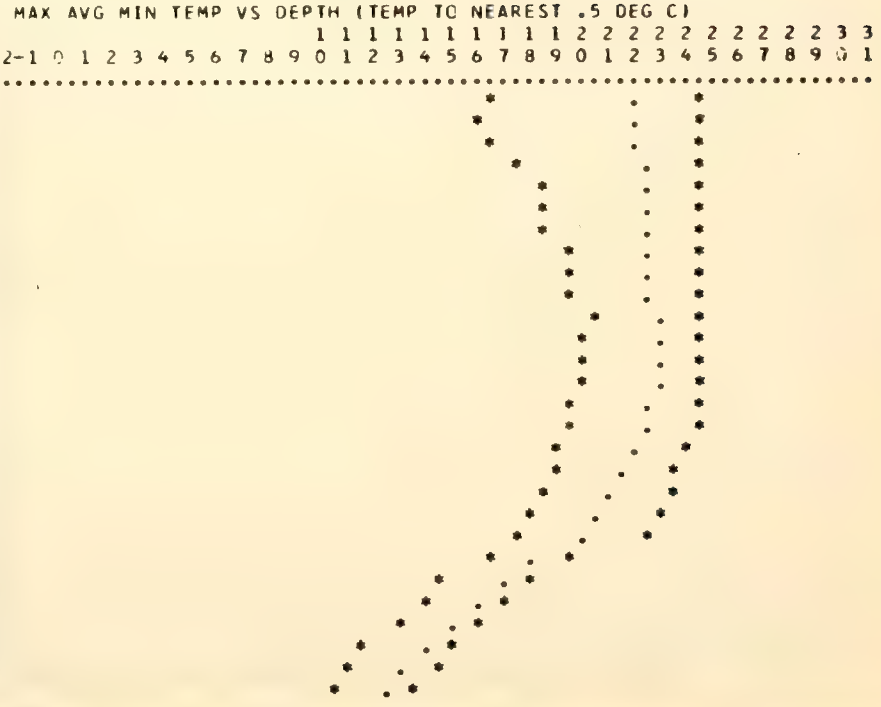


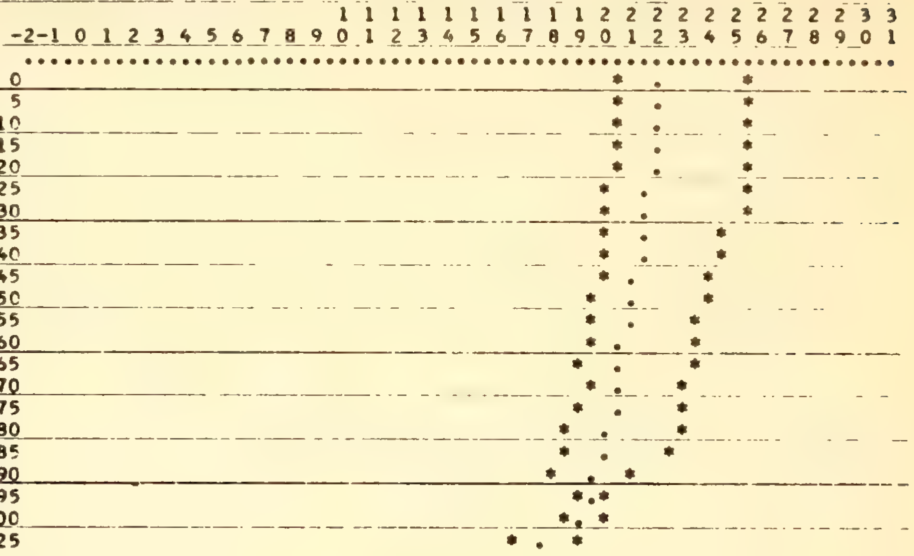
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16 MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.6	21.9	20.5	28	0.9	0.0	0.0	0.0	0
5	25.6	21.9	20.5	28	0.9	6.0	0.4	-2.0	5
10	25.6	21.9	20.5	28	0.9	12.0	0.7	0.0	10
15	25.6	21.8	20.5	28	0.9	4.0	0.4	-2.0	15
20	25.6	21.8	20.4	28	1.0	6.0	1.2	-2.0	20
25	25.6	21.7	20.2	28	1.0	10.0	1.9	0.0	25
30	25.4	21.6	20.1	28	1.0	6.0	1.9	0.0	30
35	24.7	21.5	20.0	28	1.0	14.0	1.4	-30.0	35
40	24.3	21.3	20.0	28	0.9	38.0	4.9	0.0	40
45	23.9	21.1	19.8	28	0.9	14.0	3.6	0.0	45
50	23.8	21.0	19.4	27	0.9	8.0	2.3	0.0	50
55	23.7	20.9	19.3	24	0.9	4.0	1.6	-2.0	55
60	23.6	20.7	19.4	22	0.9	10.0	1.8	-2.0	60
65	23.3	20.5	19.2	16	0.9	6.0	1.9	0.0	65
70	23.2	20.5	19.5	15	0.9	8.0	2.4	0.0	70
75	23.0	20.4	19.2	13	1.0	8.0	2.6	0.0	75
80	22.8	20.2	18.7	10	1.1	10.0	2.4	0.0	80
85	22.7	20.0	18.4	10	1.2	6.0	3.0	2.0	85
90	21.2	19.6	17.9	9	0.8	10.0	3.8	0.0	90
95	20.1	19.4	18.9	7	0.4	22.0	6.0	-2.0	95
100	19.9	19.2	18.7	7	0.3	14.0	4.6	0.0	100
125	19.1	17.7	16.7	4	1.1	9.6	6.6	3.2	125

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.3	23.8	20.6	57	1.5	0.0	0.0	0.0	0
5	28.2	23.8	20.6	57	1.5	10.0	0.4	-2.0	5
10	28.2	23.8	20.4	57	1.6	28.0	1.0	0.0	10
15	28.1	23.7	19.9	57	1.6	14.0	2.1	0.0	15
20	28.0	23.4	19.5	57	1.7	38.0	5.4	-2.0	20
25	28.0	23.2	19.4	57	1.9	26.0	4.9	-4.0	25
30	28.0	23.0	19.4	57	1.9	20.0	4.1	0.0	30
35	28.0	22.7	19.2	57	1.9	26.0	5.4	-2.0	35
40	28.0	22.5	19.0	57	1.9	32.0	4.5	-6.0	40
45	28.0	22.3	18.9	57	2.0	18.0	4.1	-4.0	45
50	27.9	22.1	18.7	56	2.1	10.0	3.4	-2.0	50
55	27.9	22.0	18.5	54	2.1	18.0	3.7	-4.0	55
60	27.9	21.7	18.3	54	2.2	22.0	5.1	0.0	60
65	27.9	21.7	18.4	49	2.2	14.0	4.2	0.0	65
70	27.8	21.6	18.0	49	2.3	14.0	3.8	0.0	70
75	27.6	21.4	17.5	49	2.4	12.0	3.6	0.0	75
80	27.5	21.2	17.1	49	2.5	34.0	4.3	0.0	80
85	27.3	20.9	16.6	49	2.6	18.0	4.9	-2.0	85
90	27.2	20.7	15.9	48	2.7	14.0	4.8	0.0	90
95	27.1	20.5	15.5	48	2.7	14.0	4.4	0.0	95
100	27.0	20.2	14.9	48	2.8	18.0	5.2	0.0	100
125	26.2	19.0	13.4	45	3.0	12.8	5.3	0.8	125
150	25.3	17.9	12.3	38	3.1	11.2	5.5	1.6	150
175	24.3	16.7	11.5	36	2.9	9.6	5.2	2.4	175
200	23.1	15.5	10.6	34	2.7	8.0	4.5	2.0	200
225	21.9	14.8	10.1	31	2.6	7.2	4.2	1.6	225
250	20.5	13.9	9.2	31	2.5	5.6	3.5	2.4	250
275	18.9	13.2	11.4	9	2.4	6.4	3.6	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

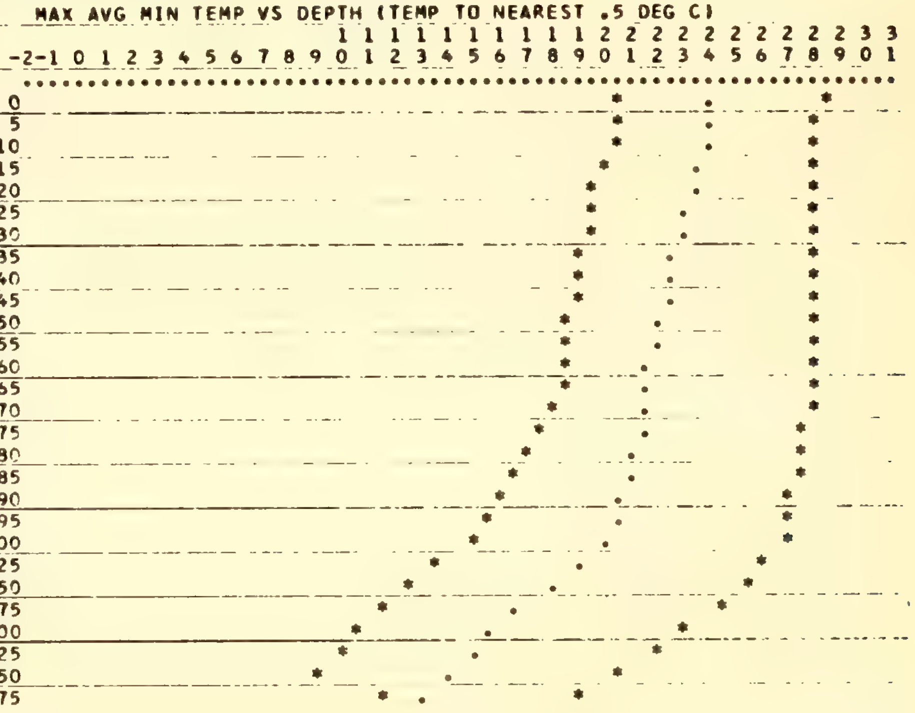
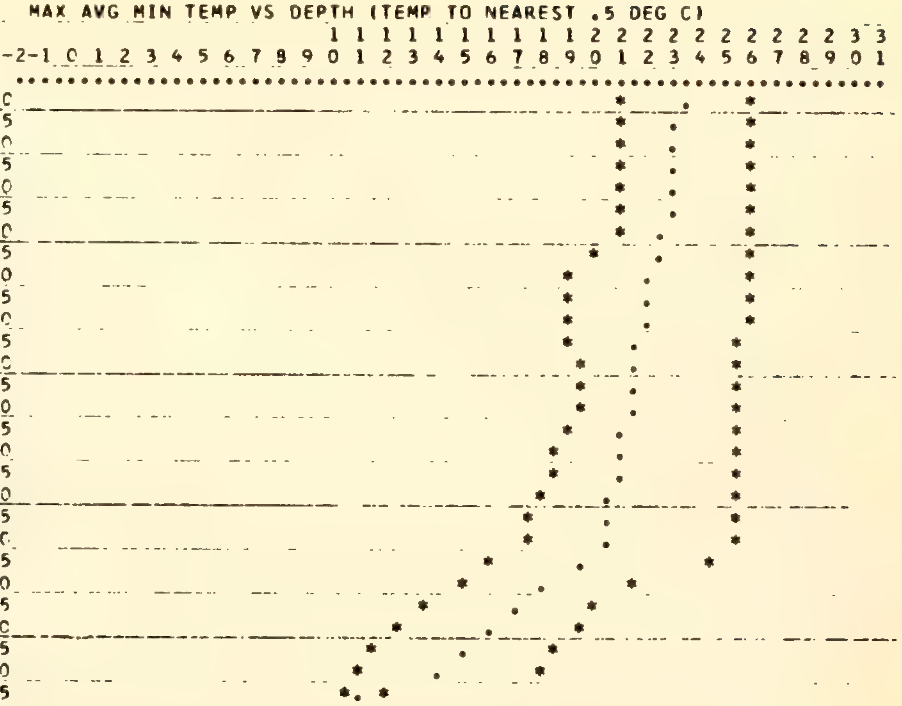


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.2	23.3	21.2	35	1.5	0.0	0.0	0.0	0
5	26.1	23.2	21.2	35	1.5	10.0	0.9	-2.0	5
10	26.0	23.2	21.2	35	1.5	10.0	0.9	0.0	10
15	26.0	23.1	21.2	35	1.5	12.0	1.6	-2.0	15
20	26.0	23.0	21.2	35	1.5	18.0	2.7	0.0	20
25	26.0	22.8	21.1	35	1.5	20.0	3.2	0.0	25
30	26.0	22.7	21.0	35	1.5	10.0	3.4	0.0	30
35	26.0	22.5	20.1	35	1.6	18.0	4.0	0.0	35
40	26.0	22.2	19.1	35	1.6	20.0	5.1	0.0	40
45	25.9	22.0	19.1	35	1.6	16.0	4.2	0.0	45
50	25.8	21.8	19.1	35	1.6	14.0	4.0	0.0	50
55	25.7	21.6	19.1	35	1.6	12.0	3.4	0.0	55
60	25.6	21.5	19.4	34	1.5	12.0	3.2	-2.0	60
65	25.6	21.5	19.4	33	1.5	14.0	2.8	0.0	65
70	25.6	21.3	19.3	32	1.5	8.0	3.5	0.0	70
75	25.6	21.1	18.8	32	1.5	12.0	4.0	-2.0	75
80	25.6	21.0	18.7	32	1.5	12.0	3.0	-12.0	80
85	25.6	20.8	18.6	32	1.5	16.0	3.7	-2.0	85
90	25.6	20.6	18.1	32	1.6	16.0	3.8	0.0	90
95	25.6	20.5	17.7	30	1.6	12.0	4.1	0.0	95
100	25.6	20.3	17.5	30	1.7	10.0	3.8	0.0	100
125	24.3	19.3	16.1	27	1.8	9.2	4.8	0.4	125
150	21.5	18.1	15.0	20	1.8	11.2	5.6	2.0	150
175	19.9	16.9	13.6	20	1.6	6.4	4.6	2.0	175
200	19.5	15.9	12.4	19	1.8	7.2	4.3	1.6	200
225	18.5	14.9	11.6	19	1.8	8.0	4.0	2.8	225
250	17.9	14.1	11.0	15	1.8	5.2	3.7	1.2	250
275	11.8	11.1	10.5	2	0.9	2.0	2.0	2.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.7	24.4	22.4	14	1.7	0.0	0.0	0.0	0
5	26.7	24.4	22.4	14	1.7	2.0	0.1	0.0	5
10	26.7	24.3	22.4	14	1.7	14.0	1.3	-2.0	10
15	26.7	24.3	22.3	14	1.7	2.0	0.4	0.0	15
20	26.7	24.3	22.4	14	1.7	2.0	0.6	-2.0	20
25	26.7	24.3	22.4	14	1.7	2.0	0.0	-2.0	25
30	26.7	24.2	22.3	14	1.7	4.0	0.6	-2.0	30
35	26.7	24.1	22.3	14	1.6	20.0	2.0	-2.0	35
40	26.7	24.0	22.3	14	1.6	18.0	3.0	-2.0	40
45	26.7	23.8	22.4	14	1.6	16.0	3.1	-2.0	45
50	26.7	23.7	21.4	12	1.8	22.0	5.5	0.0	50
55	26.5	23.1	20.9	8	1.8	10.0	5.7	0.0	55
60	25.2	22.3	20.8	7	1.3	10.0	5.4	0.0	60
65	25.2	22.3	21.1	6	1.4	12.0	5.0	0.0	65
70	25.2	22.1	20.8	6	1.5	20.0	5.3	0.0	70
75	25.2	21.8	20.5	6	1.7	12.0	5.0	0.0	75
80	25.2	21.7	20.3	6	1.7	4.0	2.3	0.0	80
85	25.1	21.8	20.6	5	1.8	8.0	3.2	0.0	85
90	25.1	21.7	20.5	5	1.9	4.0	1.6	0.0	90
95	25.1	21.7	20.3	5	1.9	4.0	1.6	0.0	95
100	25.1	21.6	20.0	5	2.0	6.0	2.0	0.0	100
125	24.9	21.5	20.2	4	2.2	2.8	2.0	0.8	125
150	19.9	19.5	19.1	3	0.4	4.4	3.5	2.0	150
175	17.8	17.7	17.6	3	0.1	8.4	7.2	5.6	175
200	16.5	16.4	16.3	2	0.1	6.0	5.2	4.4	200
225	15.3	15.2	15.2	2	0.0	4.8	4.6	4.4	225
250	14.0	14.0	14.0	1	0.0	4.8	4.8	4.8	250

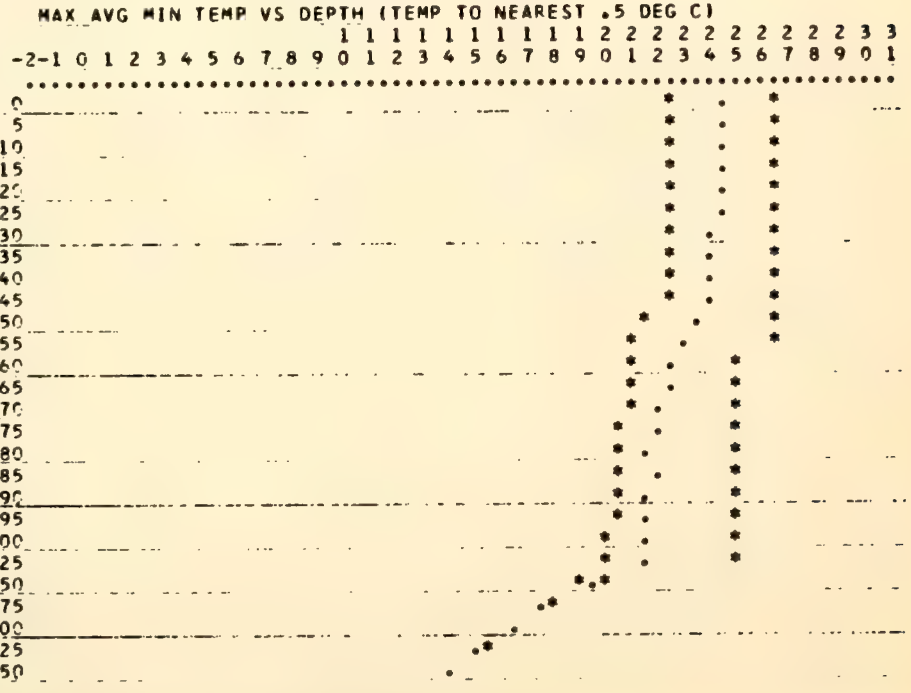
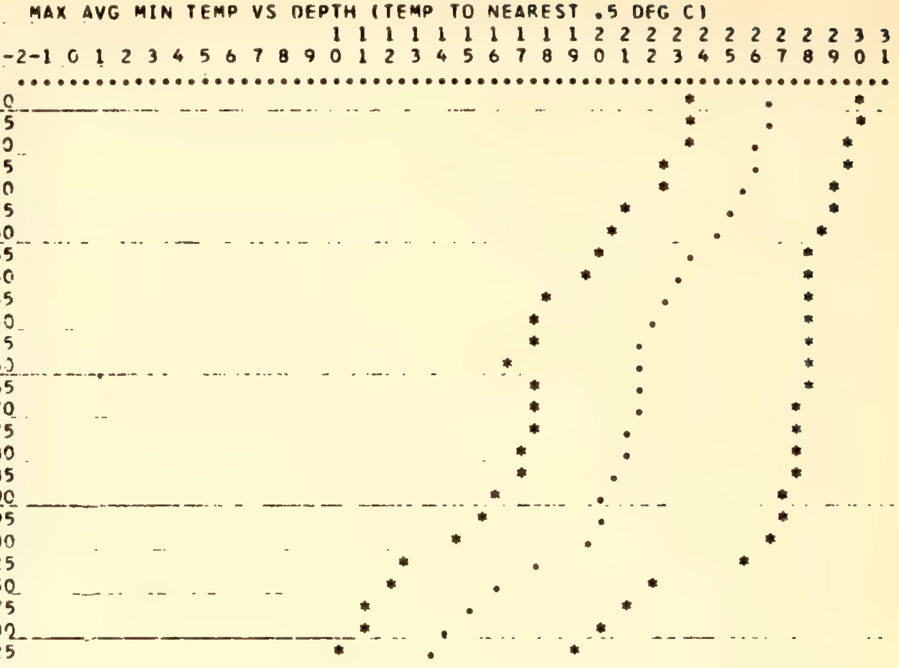


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.8	26.4	23.6	94	1.1	0.0	0.0	0.0	0
5	29.8	26.4	23.6	94	1.1	18.0	1.3	-8.0	5
10	29.7	26.1	23.4	94	1.1	46.0	5.2	-2.0	10
15	29.4	25.8	22.6	94	1.2	40.0	6.0	-2.0	15
20	29.2	25.4	22.4	94	1.3	66.0	7.5	-2.0	20
25	29.0	24.9	21.2	94	1.6	54.0	10.3	-2.0	25
30	28.3	24.3	20.7	94	1.7	60.0	11.9	-2.0	30
35	27.9	23.7	20.0	94	2.0	44.0	12.5	0.0	35
40	27.8	23.1	19.4	94	2.1	66.0	11.2	0.0	40
45	27.8	22.6	17.8	94	2.3	66.0	11.5	0.0	45
50	27.8	22.2	17.6	94	2.3	38.0	8.1	-2.0	50
55	27.8	21.7	17.5	86	2.4	30.0	7.5	-4.0	55
60	27.8	21.4	16.6	82	2.5	52.0	8.6	-4.0	60
65	27.8	21.5	17.6	68	2.3	38.0	7.4	0.0	65
70	27.7	21.3	17.3	63	2.4	20.0	6.9	0.0	70
75	27.7	21.2	17.6	57	2.5	12.0	4.9	0.0	75
80	27.7	20.9	17.0	56	2.6	32.0	6.5	0.0	80
85	27.5	20.5	16.8	56	2.6	26.0	8.5	0.0	85
90	27.1	20.2	16.0	55	2.7	22.0	7.1	-4.0	90
95	26.9	20.0	15.4	52	2.8	32.0	6.5	0.0	95
100	26.7	19.7	14.7	52	2.9	28.0	6.0	0.0	100
125	25.6	17.6	12.7	40	2.5	16.8	6.2	1.6	125
150	22.1	16.0	11.9	19	2.0	15.6	5.3	2.8	150
175	20.9	15.1	11.0	15	2.3	5.2	4.0	2.8	175
200	20.0	14.2	10.9	12	2.4	7.2	3.8	0.4	200
225	19.8	13.7	10.2	7	2.8	4.8	3.8	2.4	225


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.6	28.0	26.5	79	0.5	0.0	0.0	0.0	0
5	29.6	27.9	26.4	79	0.6	18.0	2.5	-2.0	5
10	29.5	27.6	25.0	79	0.9	40.0	4.9	0.0	10
15	29.2	27.4	24.1	79	1.1	38.0	5.1	-2.0	15
20	28.5	26.9	23.4	79	1.3	66.0	8.7	0.0	20
25	28.4	26.6	22.7	79	1.4	54.0	7.3	-4.0	25
30	28.3	26.2	22.3	79	1.5	28.0	6.9	-8.0	30
35	28.3	25.9	22.2	79	1.7	34.0	5.8	-4.0	35
40	28.3	25.6	21.8	79	1.7	22.0	6.1	-18.0	40
45	28.2	25.3	21.2	79	1.9	28.0	7.4	-4.0	45
50	28.2	24.9	20.9	78	2.0	24.0	7.2	-2.0	50
55	28.1	24.6	20.7	78	2.2	30.0	7.5	-10.0	55
60	28.0	24.3	20.0	78	2.3	28.0	6.0	-8.0	60
65	28.0	24.0	19.1	75	2.5	38.0	6.3	-2.0	65
70	27.9	23.7	18.9	75	2.6	30.0	6.2	-2.0	70
75	27.8	23.5	18.5	72	2.7	24.0	5.9	-2.0	75
80	27.4	23.1	18.0	72	2.7	22.0	6.9	0.0	80
85	27.3	22.8	17.7	72	2.8	22.0	6.2	-4.0	85
90	27.2	22.5	17.2	72	2.9	24.0	6.3	0.0	90
95	27.1	22.3	16.9	72	2.9	16.0	4.7	0.0	95
100	27.0	22.0	16.5	72	3.0	20.0	5.4	0.0	100
125	26.0	20.8	15.9	68	3.1	12.0	5.4	1.2	125
150	25.3	19.4	11.0	68	3.3	28.0	5.8	1.6	150
175	25.1	18.2	14.1	65	3.0	11.6	5.0	-20.0	175
200	24.3	17.0	13.1	62	2.7	9.6	4.9	1.6	200
225	22.3	16.0	12.3	51	2.4	10.8	4.4	2.0	225
250	20.8	15.0	12.0	30	2.2	6.4	3.9	1.2	250
275	17.2	13.4	11.1	13	1.8	5.2	3.2	1.6	275

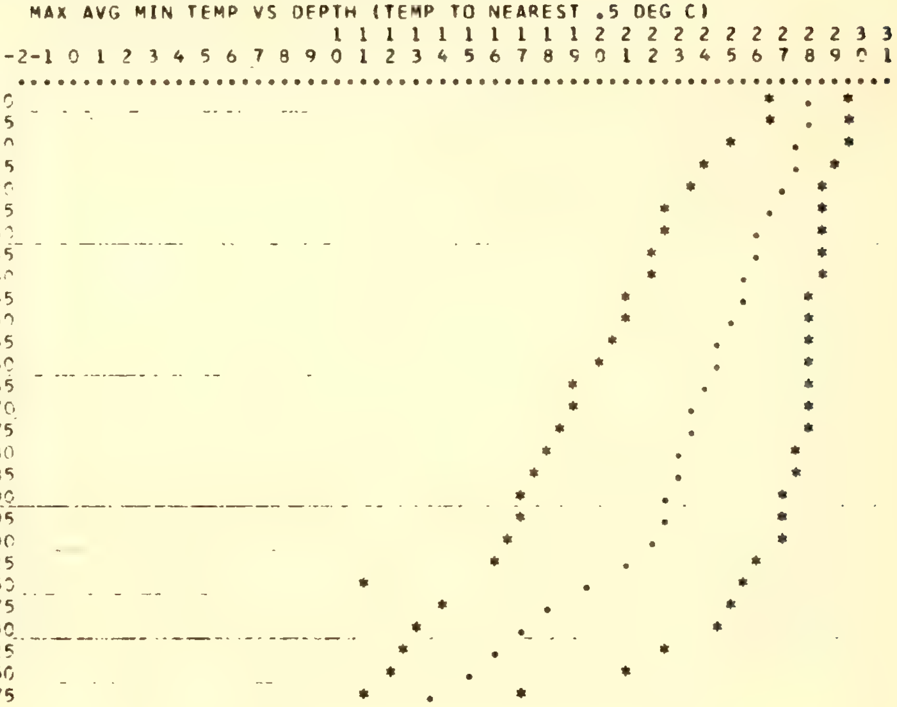
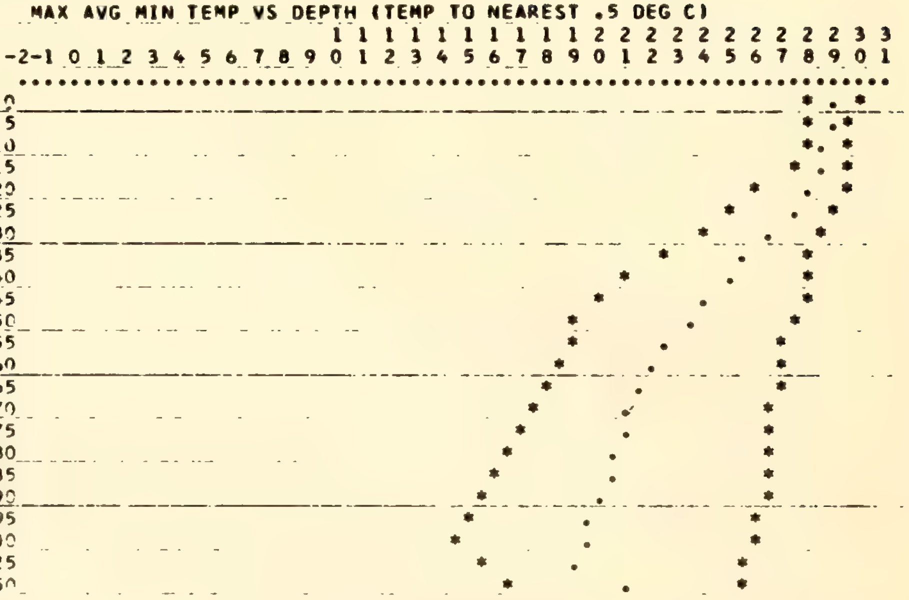

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.8	29.0	28.2	51	0.4	0.0	0.0	0.0	0
5	29.7	28.9	28.1	51	0.4	8.0	2.0	-2.0	5
10	29.6	28.7	28.1	51	0.4	8.0	2.4	-2.0	10
15	29.3	28.5	27.6	51	0.4	26.0	4.1	-2.0	15
20	29.3	28.1	26.1	51	0.5	38.0	8.2	0.0	20
25	28.9	27.5	24.8	51	0.8	42.0	12.7	0.0	25
30	28.5	26.6	23.8	51	1.1	42.0	17.0	0.0	30
35	28.2	25.7	22.6	26	1.5	34.0	17.8	2.0	35
40	28.1	24.8	21.1	26	1.7	32.0	17.7	2.0	40
45	28.0	23.9	20.1	25	2.0	40.0	17.0	2.0	45
50	27.6	23.3	19.1	23	2.1	28.0	15.3	4.0	50
55	27.2	22.4	19.0	19	2.4	32.0	15.5	2.0	55
60	27.1	22.0	19.5	18	2.3	32.0	12.1	0.0	60
65	26.9	21.7	18.0	17	2.2	32.0	11.1	2.0	65
70	26.7	21.2	17.3	17	2.3	16.0	8.9	4.0	70
75	26.6	20.9	16.9	17	2.4	12.0	6.7	2.0	75
80	26.5	20.7	16.4	15	2.6	14.0	6.3	2.0	80
85	26.4	20.3	15.9	15	2.7	20.0	8.3	2.0	85
90	26.3	19.9	15.3	15	2.8	22.0	7.6	2.0	90
95	26.2	19.6	15.0	14	3.0	14.0	6.7	2.0	95
100	26.1	19.3	14.7	14	3.1	12.0	6.0	2.0	100
125	25.7	18.9	15.3	8	4.0	17.2	7.2	1.6	125
150	25.4	21.0	16.6	2	6.2	4.8	3.0	1.2	150



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	31.8	29.3	28.1	95	0.5	0.0	0.0	0.0	0
5	31.4	29.2	28.1	95	0.5	12.0	1.4	-2.0	5
10	31.1	29.1	28.1	95	0.5	14.0	1.5	-2.0	10
15	30.7	29.0	27.3	95	0.4	24.0	2.0	-8.0	15
20	29.7	28.8	25.5	95	0.6	36.0	3.6	-4.0	20
25	29.9	28.5	23.3	95	1.0	50.0	7.3	-4.0	25
30	29.9	27.8	23.0	94	1.5	80.0	15.1	-4.0	30
35	29.7	27.0	21.6	94	2.0	88.0	15.6	-6.0	35
40	29.6	26.2	20.7	93	2.3	52.0	17.3	-4.0	40
45	29.5	25.4	19.5	90	2.5	46.0	16.3	0.0	45
50	28.5	24.6	18.9	89	2.6	58.0	15.8	0.0	50
55	28.2	23.9	18.1	89	2.7	38.0	12.6	2.0	55
60	27.8	23.3	17.9	89	2.7	34.0	12.6	2.0	60
65	27.8	22.7	17.5	85	2.7	30.0	10.7	-2.0	65
70	27.6	22.3	17.2	85	2.8	22.0	9.8	2.0	70
75	27.5	21.9	16.9	84	2.8	22.0	8.4	0.0	75
80	27.5	21.5	16.7	82	2.8	20.0	8.2	0.0	80
85	27.4	21.1	16.4	81	2.8	20.0	7.8	0.0	85
90	26.4	20.7	16.0	78	2.7	22.0	7.3	0.0	90
95	26.2	20.2	15.2	76	2.7	20.0	7.3	0.0	95
100	26.1	19.9	15.0	76	2.6	30.0	7.9	0.0	100
125	25.0	18.2	13.9	68	2.4	12.8	6.0	1.2	125
150	23.9	16.7	12.8	56	2.3	9.6	5.4	2.4	150
175	22.2	15.7	11.3	55	2.1	8.0	4.5	1.6	175
200	20.8	14.8	10.8	51	2.0	6.8	4.2	1.6	200
225	19.5	14.0	10.1	46	1.8	6.4	4.1	2.0	225
250	18.5	13.1	9.3	42	1.7	6.8	3.9	2.0	250
275	17.4	12.2	8.9	29	1.9	4.8	3.3	1.6	275

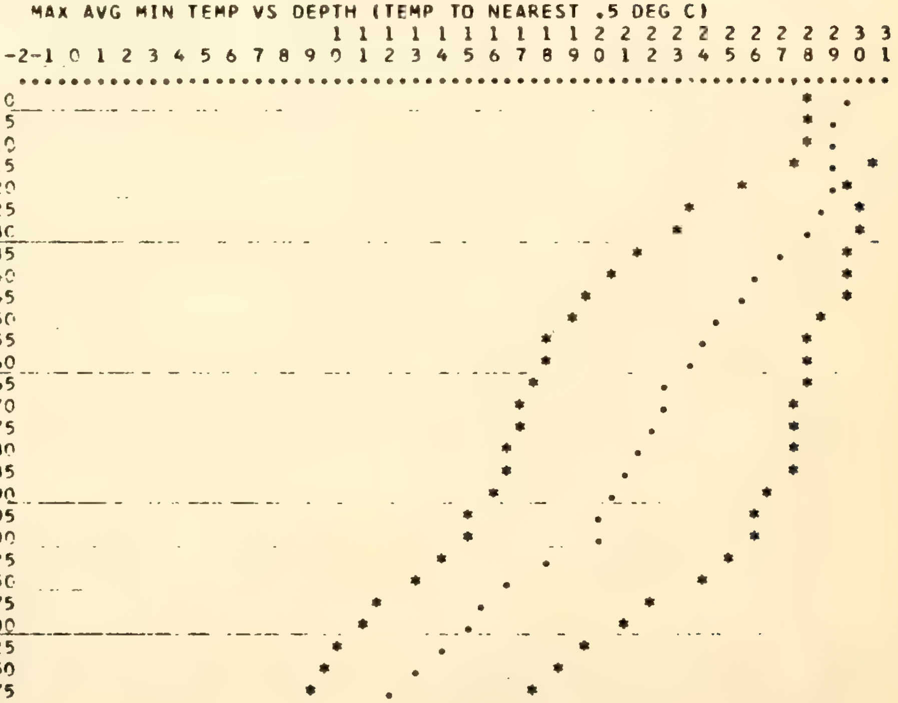


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

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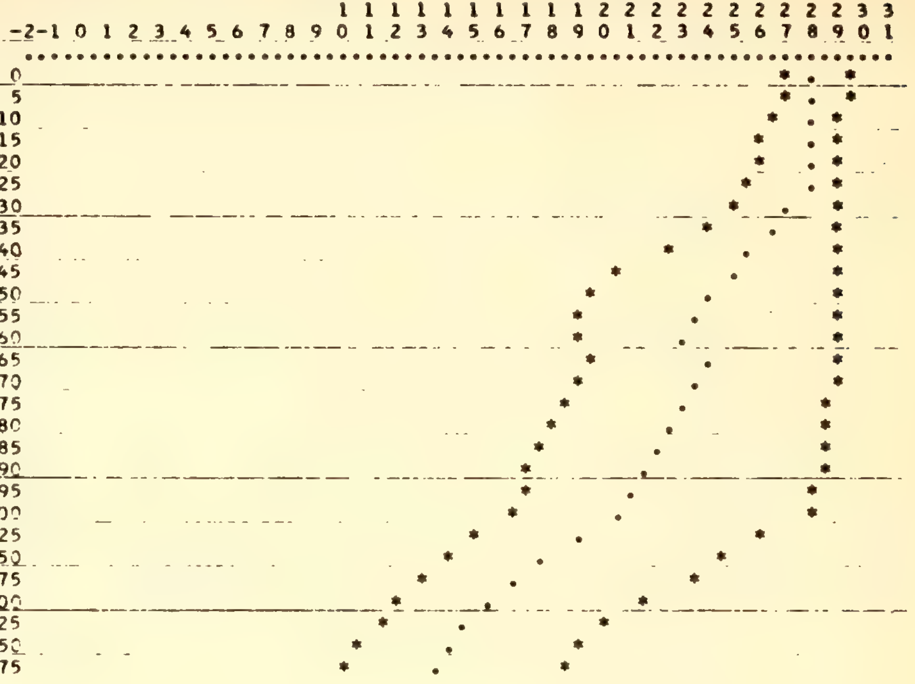
AREA 16   MONTH  9

DEPTH                                         GRADIENT
METERS MAX   AVG   MIN   NUM  SDEV      MAX   AVG    MIN
     0 29.4  28.2  26.9   67   0.5      0.0   0.0    0.0    0
     5 29.3  28.2  26.9   67   0.5     18.0   1.0  -12.0    5
    10 29.2  28.1  26.5   67   0.6      8.0   0.9   -2.0   10
    15 29.2  28.1  26.1   67   0.6     10.0   0.9   -2.0   15
    20 29.1  28.0  26.0   67   0.7     12.0   1.6   -2.0   20
    25 29.1  27.8  25.5   67   0.8     48.0   5.3   -2.0   25
    30 29.1  27.2  24.9   66   0.9     40.0  10.2   -2.0   30
    35 29.1  26.5  23.9   64   1.1     44.0  14.7    0.0   35
    40 29.1  25.7  22.5   63   1.5     72.0  17.9    0.0   40
    45 29.1  24.8  20.6   62   2.0     88.0  17.0    0.0   45
    50 29.0  24.0  19.4   60   2.5     56.0  16.5    0.0   50
    55 29.0  23.3  18.8   59   2.9     48.0  15.1    0.0   55
    60 28.9  23.1  18.8   55   2.8     38.0   9.5    0.0   60
    65 28.9  23.9  19.5   39   2.1     24.0  11.3    0.0   65
    70 28.9  23.4  19.0   39   2.3     28.0  10.5    0.0   70
    75 28.5  22.9  18.5   38   2.3     28.0  10.9    2.0   75
    80 28.4  22.3  18.0   33   2.4     30.0   9.1    0.0   80
    85 28.4  21.9  17.5   33   2.4     20.0   7.8    0.0   85
    90 28.3  21.4  17.1   33   2.4     48.0  10.4    2.0   90
    95 28.1  20.9  16.9   33   2.3     32.0   9.5    2.0   95
   100 27.8  20.5  16.5   33   2.2     44.0   9.6    0.0  100
   125 26.0  18.9  15.2   32   2.1     12.8   6.0    2.4  125
   150 24.6  17.7  14.0   29   2.1      9.6   5.2    1.6  150
   175 23.3  16.5  13.0   25   2.1      7.6   4.8    2.8  175
   200 21.6  15.5  12.0   23   2.0      6.8   4.2    1.6  200
   225 20.1  14.7  11.4   17   2.2      6.0   3.4    1.6  225
   250 19.2  14.2  10.4    9   2.7      4.0   3.3    2.0  250
   275 18.4  13.6   9.9    8   2.8      3.6   2.8    2.0  275
```

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

```
AREA 16   MONTH 10

DEPTH                                         GRADIENT
METERS MAX   AVG   MIN   NUM  SDEV      MAX   AVG    MIN
     0 28.0  26.3  25.3   11   0.9      0.0   0.0    0.0    0
     5 28.0  26.2  25.4   11   0.9     12.0   1.1   -2.0    5
    10 27.9  26.2  25.5   11   0.9      2.0   0.0   -2.0   10
    15 27.9  26.2  25.5   11   0.9      4.0   0.0   -2.0   15
    20 27.9  26.2  25.5   11   0.9      2.0   0.5    0.0   20
    25 27.9  26.2  25.5   11   0.9      0.0  -0.3   -2.0   25
    30 27.9  26.3  25.7    9   0.9      2.0  -1.3   -4.0   30
    35 27.9  26.3  25.4    9   0.9      6.0   1.8    0.0   35
    40 27.8  26.0  25.1    8   1.0     22.0   6.7    0.0   40
    45 27.2  25.6  25.1    8   0.6     46.0   8.0    0.0   45
    50 26.3  25.0  24.0    8   0.7     30.0  12.0    0.0   50
    55 25.4  23.9  22.3    6   1.2     54.0  25.3    6.0   55
    60 24.9  23.5  22.2    3   1.3     20.0  14.7    6.0   60
    65 24.4  22.8  21.2    3   1.6     20.0  13.3   10.0   65
    70 24.2  22.4  20.7    3   1.7     10.0   7.3    4.0   70
    75 24.0  21.9  20.4    3   1.8     22.0  10.7    4.0   75
    80 23.6  21.4  20.0    3   1.9     14.0  10.0    8.0   80
    85 23.1  21.0  19.5    3   1.8     10.0   8.7    6.0   85
    90 22.6  20.6  19.0    3   1.8     10.0   8.0    4.0   90
    95 22.6  20.3  19.5    3   2.0     10.0   5.3    0.0   95
   100 22.3  20.0  18.4    3   2.0      8.0   5.3    2.0  100
   125 18.4  17.9  17.4    2   0.7      4.4   4.2    4.0  125
   150 16.9  16.5  16.1    2   0.5      6.0   5.6    5.2  150
   175 16.1  15.6  15.2    2   0.6      3.6   3.4    3.2  175
   200 15.2  14.8  14.5    2   0.4      3.6   3.2    2.8  200
   225 14.5  14.0  13.5    2   0.7      4.0   3.4    2.8  225
   250 13.8  13.2  12.7    2   0.7      3.2   3.0    2.8  250
   275 13.2  13.2  13.2    1   0.0      2.4   2.4    2.4  275
```

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

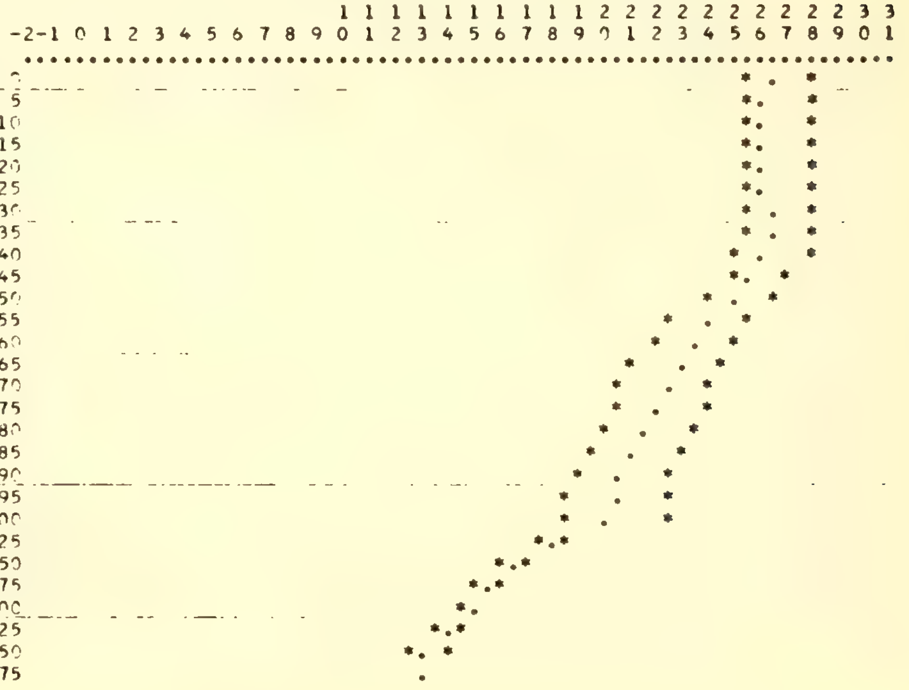
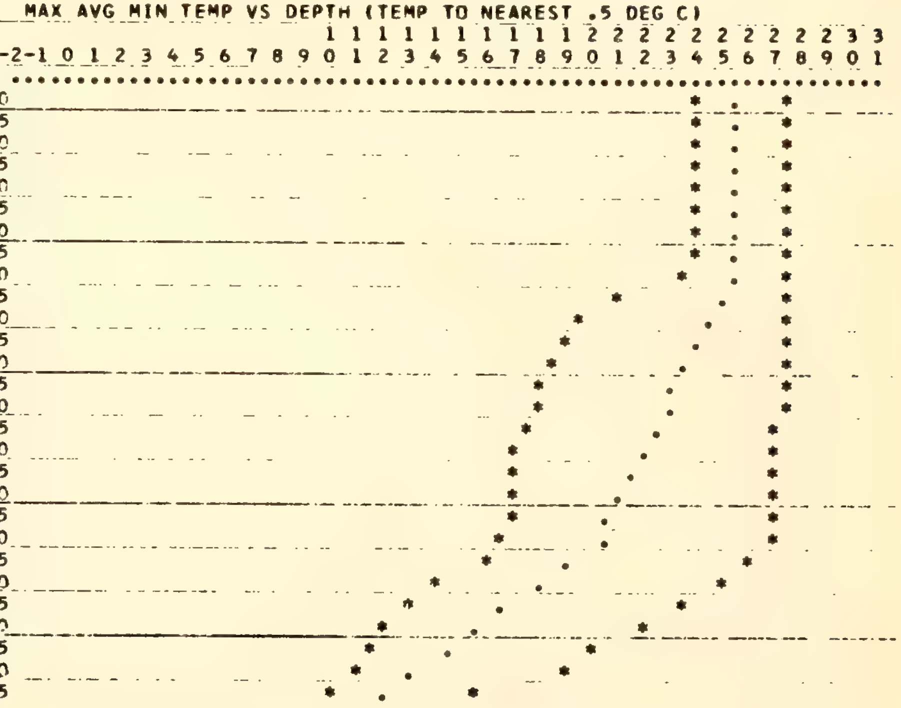


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16   MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.5	25.5	23.9	70	0.8	0.0	0.0	0.0	0
5	27.5	25.5	23.9	70	0.8	12.0	-0.1	-6.0	5
10	27.5	25.5	23.9	70	0.8	4.0	0.3	-2.0	10
15	27.5	25.5	23.9	70	0.8	4.0	0.4	-2.0	15
20	27.5	25.4	24.0	70	0.8	4.0	0.3	-4.0	20
25	27.5	25.4	24.0	70	0.8	4.0	0.4	-2.0	25
30	27.4	25.4	24.1	70	0.8	12.0	0.3	-12.0	30
35	27.4	25.4	24.1	70	0.8	12.0	0.5	-8.0	35
40	27.4	25.3	23.5	62	0.9	28.0	3.0	-10.0	40
45	27.3	24.8	20.8	62	1.4	66.0	9.4	-4.0	45
50	27.3	24.4	19.5	61	1.8	58.0	9.0	-2.0	50
55	27.3	23.9	19.0	58	2.0	32.0	8.9	0.0	55
60	27.3	23.5	18.5	58	2.2	38.0	7.6	-2.0	60
65	27.3	23.1	18.1	51	2.5	26.0	7.7	0.0	65
70	27.3	22.8	17.9	50	2.6	34.0	7.9	0.0	70
75	26.9	22.4	17.6	48	2.7	26.0	8.0	-2.0	75
80	26.9	21.9	17.1	47	2.7	32.0	10.1	-2.0	80
85	26.9	21.5	17.0	47	2.8	28.0	8.6	0.0	85
90	26.9	21.0	17.0	47	2.8	34.0	9.6	0.0	90
95	26.9	20.7	16.9	46	2.8	16.0	7.3	0.0	95
100	26.9	20.3	16.6	46	2.8	16.0	7.0	0.0	100
125	26.0	19.2	15.8	37	2.8	10.0	6.8	2.8	125
150	24.8	17.9	14.2	35	2.8	10.0	5.5	3.6	150
175	23.6	16.7	13.0	33	2.7	10.0	5.2	0.8	175
200	22.1	15.5	12.2	32	2.5	7.6	4.8	2.8	200
225	20.2	14.3	11.5	29	2.2	7.6	4.0	2.0	225
250	19.1	13.0	10.8	22	1.9	6.4	3.7	2.0	250
275	15.3	12.2	10.1	13	1.5	4.4	3.2	2.4	275


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPFRATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16   MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.3	24.2	20.9	30	0.8	0.0	0.0	0.0	0
5	25.3	24.2	20.9	30	0.8	2.0	-0.1	-2.0	5
10	25.3	24.4	22.6	29	0.5	2.0	-0.2	-2.0	10
15	25.3	24.4	22.7	29	0.5	2.0	0.1	-2.0	15
20	25.3	24.4	22.7	29	0.5	2.0	0.3	0.0	20
25	25.3	24.3	22.7	29	0.5	2.0	0.3	0.0	25
30	25.3	24.3	22.7	29	0.5	2.0	0.5	0.0	30
35	25.2	24.3	22.7	29	0.5	4.0	0.7	0.0	35
40	25.2	24.1	22.7	29	0.6	36.0	3.7	0.0	40
45	25.2	23.8	22.4	29	0.8	32.0	5.7	0.0	45
50	25.2	23.7	21.9	29	1.0	14.0	3.1	0.0	50
55	25.2	23.4	21.5	28	1.1	38.0	4.7	0.0	55
60	25.1	23.1	21.2	28	1.3	40.0	6.9	0.0	60
65	25.1	22.8	20.6	26	1.6	16.0	5.2	0.0	65
70	25.1	22.6	20.2	26	1.8	16.0	3.8	0.0	70
75	25.1	22.3	19.6	26	1.8	34.0	7.2	0.0	75
80	25.1	22.0	19.3	26	1.9	14.0	5.1	0.0	80
85	25.1	21.7	18.9	26	1.9	34.0	7.2	0.0	85
90	25.1	21.3	18.6	26	2.0	24.0	7.1	0.0	90
95	25.0	21.0	18.4	26	2.2	16.0	6.2	0.0	95
100	25.0	20.7	18.0	26	2.3	10.0	5.6	0.0	100
125	25.0	19.4	16.5	26	2.5	10.4	5.3	0.0	125
150	24.0	18.0	14.5	25	2.4	10.8	5.8	2.0	150
175	21.8	16.5	13.5	25	2.2	10.4	5.8	3.2	175
200	20.5	15.5	12.5	25	2.1	10.8	4.3	1.2	200
225	19.3	14.6	11.6	22	2.1	6.4	3.9	2.0	225
250	18.3	14.1	11.3	19	2.1	4.8	3.4	1.2	250
275	11.5	10.7	10.0	4	0.7	6.4	4.6	3.2	275

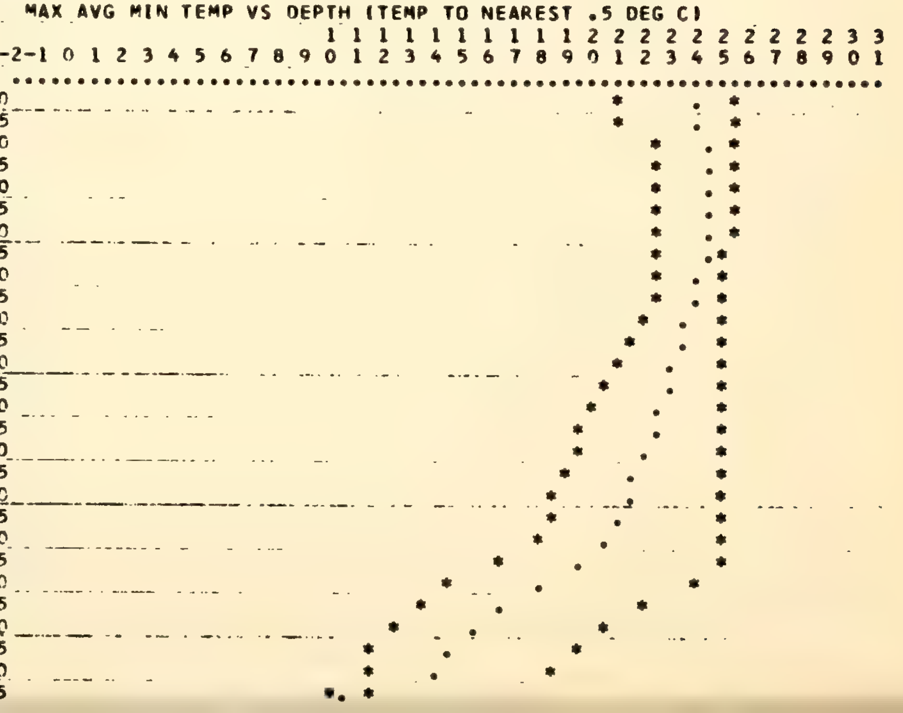
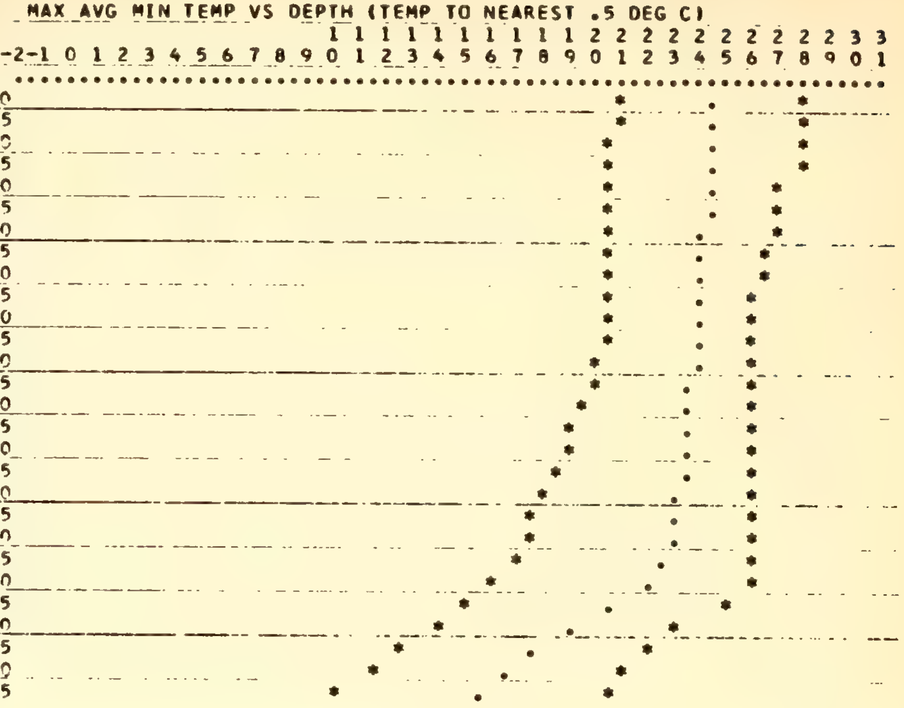

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16A MONTH 1

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	28.2	24.4	21.2	29	1.4	0.0	0.0	0.0	0
5	28.0	24.4	20.8	29	1.4	8.0	0.4	0.0	5
10	27.9	24.4	20.7	29	1.4	2.0	0.2	-2.0	10
15	27.8	24.4	20.6	29	1.4	4.0	0.6	-2.0	15
20	27.2	24.3	20.5	29	1.5	14.0	1.6	-2.0	20
25	27.0	24.3	20.5	29	1.5	10.0	0.6	-2.0	25
30	26.9	24.2	20.5	29	1.5	10.0	1.1	0.0	30
35	26.7	24.2	20.5	29	1.5	4.0	0.8	0.0	35
40	26.5	24.1	20.4	29	1.5	6.0	1.0	0.0	40
45	26.1	24.1	20.4	29	1.5	10.0	1.5	0.0	45
50	26.1	24.0	20.4	29	1.6	16.0	1.9	0.0	50
55	26.1	23.9	20.3	29	1.6	26.0	2.1	0.0	55
60	26.0	23.8	20.1	29	1.7	18.0	1.9	0.0	60
65	26.0	23.7	20.1	29	1.7	10.0	1.4	0.0	65
70	26.0	23.6	19.6	29	1.8	10.0	1.8	0.0	70
75	25.9	23.5	19.2	29	1.9	10.0	2.1	0.0	75
80	25.9	23.4	19.0	29	2.0	10.0	1.9	0.0	80
85	25.9	23.3	18.5	29	2.0	10.0	1.4	0.0	85
90	25.9	23.2	18.0	29	2.2	12.0	2.1	0.0	90
95	25.9	23.0	17.5	29	2.3	24.0	3.7	0.0	95
100	25.9	22.9	17.3	29	2.5	16.0	3.4	0.0	100
125	25.9	22.7	17.0	29	2.6	12.0	3.1	0.0	125
150	25.8	21.8	16.0	29	3.4	11.6	3.8	-0.4	150
175	24.8	20.3	15.0	26	3.7	8.4	4.2	0.0	175
200	22.9	18.9	14.0	25	3.5	10.8	6.1	3.6	200
225	21.8	17.6	12.6	25	3.3	8.0	5.0	2.8	225
250	21.0	16.5	11.6	25	3.3	6.4	4.4	2.4	250
275	20.4	15.5	10.0	25	3.3	6.4	4.0	2.0	275


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16A MONTH 2

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	28.2	22.9	20.2	165	1.6	0.0	0.0	0.0	0
5	28.0	22.8	20.2	165	1.6	6.0	0.4	-2.0	5
10	27.7	22.8	20.2	165	1.6	16.0	1.0	-12.0	10
15	27.6	22.7	20.1	165	1.6	24.0	1.3	0.0	15
20	27.5	22.7	20.0	165	1.6	12.0	0.9	-2.0	20
25	27.2	22.6	19.9	165	1.6	22.0	1.3	-2.0	25
30	27.1	22.5	19.9	165	1.6	36.0	1.7	-4.0	30
35	27.1	22.5	19.9	165	1.6	20.0	1.8	0.0	35
40	27.1	22.4	19.9	165	1.6	22.0	1.6	0.0	40
45	27.1	22.3	19.5	164	1.6	18.0	1.5	0.0	45
50	27.1	22.2	19.0	164	1.6	16.0	1.9	-4.0	50
55	27.0	22.1	18.5	163	1.6	12.0	1.7	-2.0	55
60	26.9	22.0	18.0	163	1.6	14.0	1.8	0.0	60
65	26.7	21.9	17.8	156	1.6	22.0	2.6	0.0	65
70	26.6	21.8	17.4	156	1.7	16.0	2.2	0.0	70
75	26.2	21.6	17.0	156	1.7	18.0	2.6	0.0	75
80	26.1	21.5	16.7	156	1.7	22.0	3.5	-2.0	80
85	26.0	21.3	16.2	156	1.7	26.0	4.3	-2.0	85
90	26.0	21.0	15.9	154	1.7	20.0	4.1	0.0	90
95	26.0	20.8	15.6	153	1.7	26.0	4.1	-4.0	95
100	26.0	20.5	15.1	152	1.8	24.0	4.9	0.0	100
125	25.9	20.3	14.9	151	1.9	34.0	5.5	0.0	125
150	24.2	18.9	13.5	148	2.0	12.4	5.4	0.0	150
175	22.5	17.5	12.1	143	2.0	19.2	5.3	0.0	175
200	21.5	16.3	11.0	140	2.0	10.0	4.9	2.4	200
225	19.9	15.2	10.1	132	2.0	9.2	4.5	1.2	225
250	19.3	14.1	9.7	126	2.0	11.6	4.2	1.6	250
275	18.3	13.2	9.7	109	2.0	6.8	4.0	1.2	275

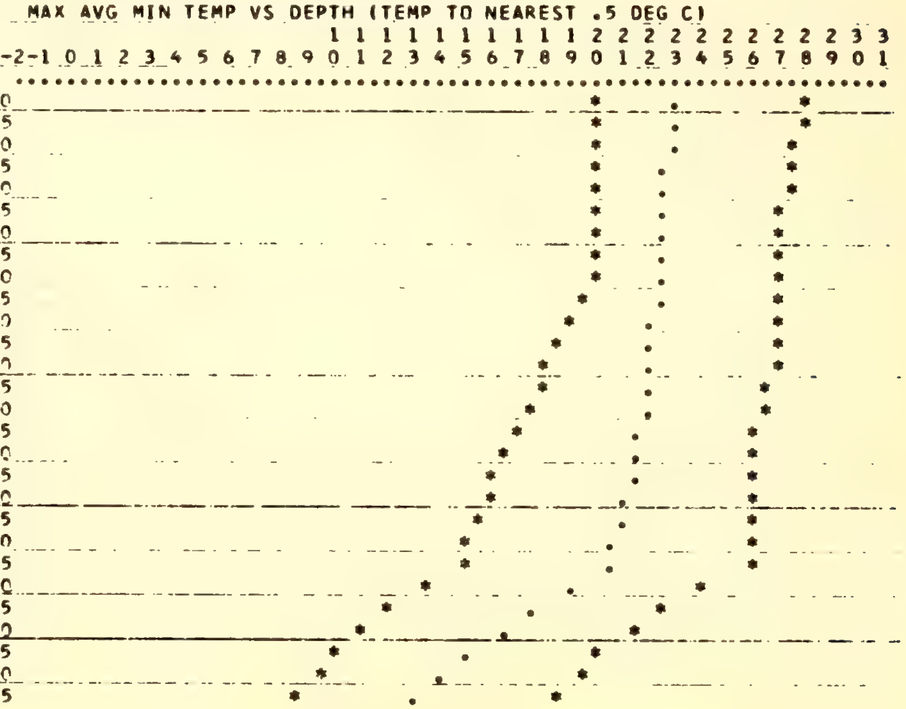

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

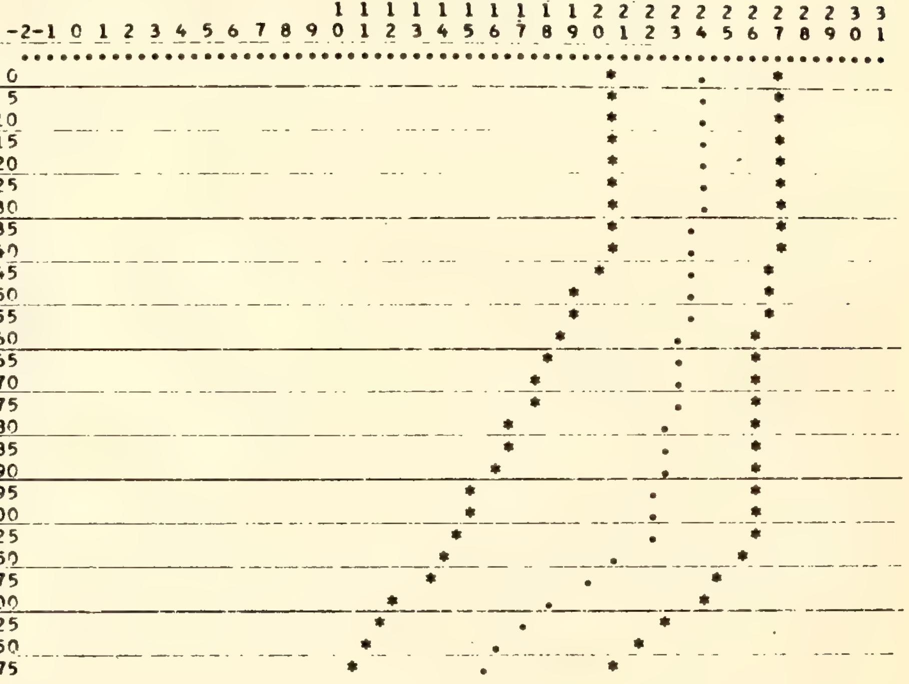
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16A MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.1	24.1	20.5	89	1.9	0.0	0.0	0.0	0
5	27.1	24.1	20.5	89	1.9	8.0	0.3	-2.0	5
10	27.1	24.1	20.5	89	1.9	2.0	0.2	-2.0	10
15	27.1	24.0	20.5	89	1.9	16.0	0.8	-2.0	15
20	27.1	24.0	20.5	89	1.9	20.0	0.9	-8.0	20
25	27.1	23.9	20.5	89	1.9	26.0	1.4	-6.0	25
30	27.0	23.8	20.4	89	1.9	22.0	2.4	-2.0	30
35	26.9	23.7	20.4	89	2.0	26.0	2.2	-2.0	35
40	26.8	23.6	20.4	89	2.0	30.0	1.9	-2.0	40
45	26.7	23.5	20.0	89	2.1	12.0	1.8	-2.0	45
50	26.4	23.4	19.2	89	2.1	16.0	2.2	0.0	50
55	26.3	23.3	19.1	89	2.1	16.0	2.0	0.0	55
60	26.2	23.2	18.4	89	2.2	16.0	2.2	0.0	60
65	26.2	23.1	18.0	89	2.2	14.0	2.3	0.0	65
70	26.2	22.9	17.6	89	2.2	18.0	2.7	0.0	70
75	26.1	22.8	17.3	89	2.3	18.0	3.0	-2.0	75
80	26.0	22.6	16.6	89	2.3	48.0	3.3	-2.0	80
85	26.0	22.5	16.3	88	2.4	12.0	3.0	-2.0	85
90	25.9	22.3	16.0	88	2.4	12.0	3.0	0.0	90
95	25.9	22.2	15.2	87	2.5	24.0	4.0	0.0	95
100	25.8	22.0	15.0	87	2.6	16.0	4.3	0.0	100
125	25.8	21.8	14.7	86	2.7	16.0	4.3	0.0	125
150	25.3	20.6	14.0	84	3.0	12.8	4.8	0.0	150
175	24.7	19.3	13.3	81	3.0	10.8	5.3	0.0	175
200	24.0	18.1	12.1	79	2.8	9.2	5.0	1.6	200
225	22.5	17.0	11.6	77	2.7	7.2	4.5	2.0	225
250	21.3	16.1	11.0	72	2.6	6.4	3.8	0.8	250
275	20.3	15.5	10.4	55	2.8	5.6	3.4	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16A MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.9	23.9	23.0	28	0.9	0.0	0.0	0.0	0
5	27.9	23.9	23.0	28	0.9	2.0	0.4	0.0	5
10	27.9	23.9	22.9	28	1.0	12.0	1.5	-2.0	10
15	27.9	23.7	22.0	28	1.1	24.0	3.6	-2.0	15
20	27.9	23.4	21.6	28	1.3	22.0	5.6	0.0	20
25	27.9	23.1	20.6	28	1.6	28.0	6.4	-2.0	25
30	27.9	22.8	20.3	28	1.7	26.0	5.6	0.0	30
35	27.5	22.3	20.1	28	1.8	32.0	9.4	0.0	35
40	27.1	21.9	20.0	28	1.8	24.0	7.5	0.0	40
45	27.0	21.6	19.8	28	1.9	32.0	6.7	0.0	45
50	26.9	21.4	19.6	28	1.9	22.0	4.1	-14.0	50
55	26.7	21.2	19.0	28	2.0	12.0	4.3	0.0	55
60	26.6	21.0	18.6	28	2.0	12.0	3.1	0.0	60
65	26.5	20.9	18.2	28	2.1	8.0	3.4	0.0	65
70	26.3	20.7	17.6	28	2.2	12.0	3.2	0.0	70
75	26.2	20.6	17.4	28	2.2	8.0	2.5	0.0	75
80	26.1	20.4	17.2	28	2.3	12.0	3.6	-2.0	80
85	26.1	20.2	17.1	28	2.4	18.0	3.8	0.0	85
90	26.1	20.0	16.9	28	2.5	12.0	3.8	0.0	90
95	26.0	19.8	16.6	28	2.6	14.0	3.6	0.0	95
100	25.9	19.7	16.5	28	2.7	10.0	3.6	0.0	100
125	25.8	19.5	16.2	28	2.7	8.0	3.4	0.0	125
150	25.4	18.5	15.2	28	3.1	8.4	4.1	-0.4	150
175	25.1	17.0	14.4	26	3.0	7.6	3.9	0.0	175
200	24.6	16.0	13.1	26	3.2	9.6	4.2	0.4	200
225	23.0	15.1	12.3	22	3.2	7.2	4.1	2.4	225
250	21.7	15.0	12.2	13	3.6	6.8	4.2	2.4	250
275	20.6	15.8	11.8	7	4.1	5.6	4.1	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

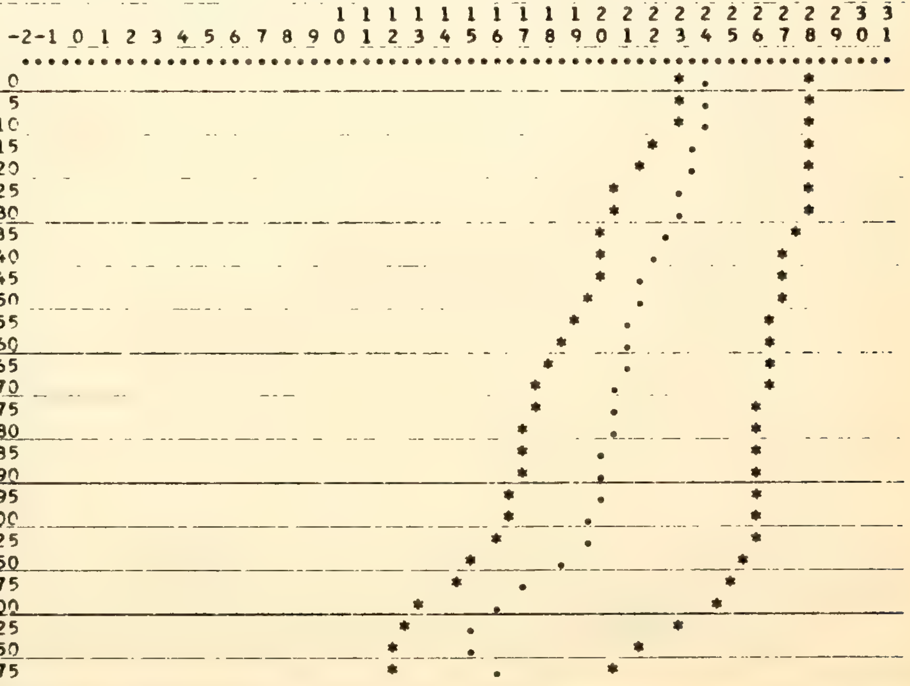
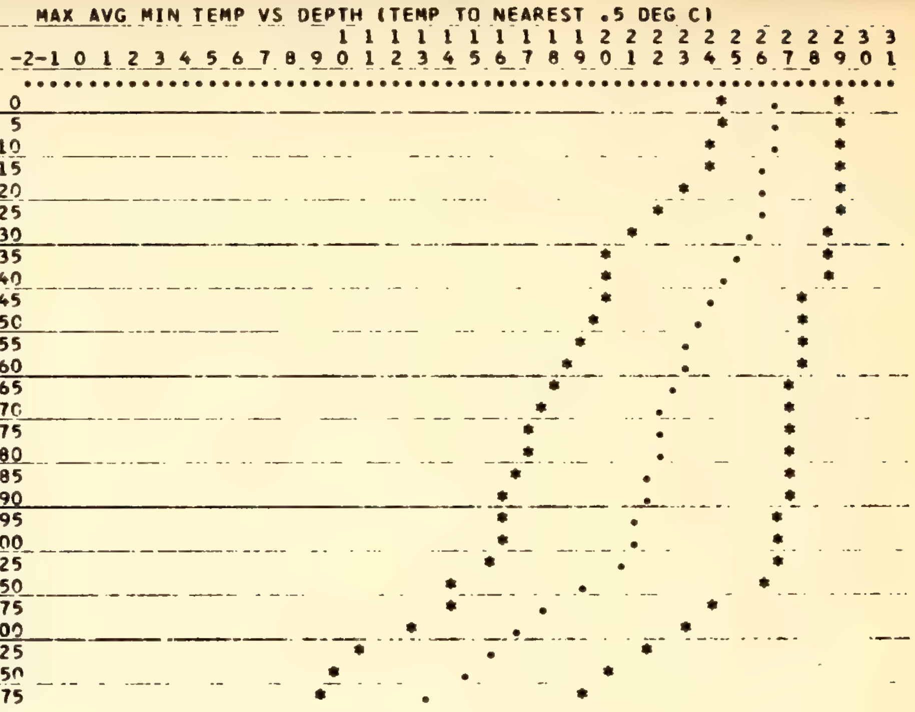


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16A MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.0	26.4	24.4	199	0.8	0.0	0.0	0.0	0
5	28.9	26.3	24.3	199	0.7	36.0	1.8	-4.0	5
10	28.9	26.3	24.1	199	0.7	18.0	1.3	0.0	10
15	28.9	26.2	24.0	199	0.7	22.0	1.7	0.0	15
20	28.9	26.0	23.1	199	0.8	40.0	2.9	-2.0	20
25	28.9	25.8	22.0	199	1.0	38.0	4.9	0.0	25
30	28.7	25.4	21.0	199	1.3	56.0	8.7	0.0	30
35	28.7	24.9	20.2	199	1.5	44.0	9.6	-4.0	35
40	28.6	24.4	20.0	199	1.7	38.0	9.3	-4.0	40
45	27.7	24.0	19.9	199	1.8	62.0	8.9	0.0	45
50	27.6	23.5	19.7	197	1.9	44.0	9.5	0.0	50
55	27.5	23.1	19.1	192	2.0	38.0	8.0	0.0	55
60	27.3	22.8	18.6	191	2.1	32.0	7.2	0.0	60
65	27.1	22.5	18.2	177	2.2	48.0	6.4	-18.0	65
70	27.0	22.2	17.6	175	2.2	24.0	5.6	0.0	70
75	26.9	22.0	17.2	172	2.3	20.0	5.2	0.0	75
80	26.9	21.8	17.0	168	2.3	14.0	4.7	-4.0	80
85	26.9	21.5	16.6	165	2.4	50.0	5.4	-2.0	85
90	26.8	21.3	16.2	163	2.4	20.0	5.4	0.0	90
95	26.6	21.1	16.1	157	2.5	36.0	5.2	-2.0	95
100	26.4	20.8	15.8	157	2.5	20.0	5.3	-4.0	100
125	26.3	20.5	15.6	154	2.5	30.0	5.8	0.0	125
150	26.0	19.2	14.2	142	2.8	16.4	5.6	0.8	150
175	23.9	17.5	13.9	97	2.3	10.0	5.1	0.0	175
200	23.1	16.5	12.3	88	2.3	8.4	4.6	0.0	200
225	21.6	15.4	10.7	79	2.2	8.4	4.4	1.2	225
250	19.9	14.3	9.6	59	2.1	8.0	3.9	0.8	250
275	18.9	13.2	8.8	40	2.1	4.4	3.7	1.2	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16A MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.1	29.1	26.1	311	0.7	0.0	0.0	0.0	0
5	30.1	28.0	26.1	311	0.6	40.0	2.5	-6.0	5
10	30.1	27.8	26.0	311	0.6	30.0	2.6	-4.0	10
15	30.1	27.7	25.4	311	0.7	34.0	3.1	-2.0	15
20	30.1	27.4	23.7	311	0.9	56.0	4.8	0.0	20
25	29.9	27.1	23.2	311	1.1	52.0	6.7	-2.0	25
30	29.9	26.7	22.5	311	1.3	58.0	8.2	0.0	30
35	29.8	26.3	21.8	311	1.6	38.0	8.1	0.0	35
40	29.4	25.9	20.5	311	1.8	54.0	8.0	-2.0	40
45	29.2	25.5	19.4	310	1.9	54.0	7.6	-6.0	45
50	28.9	25.2	19.0	310	2.1	30.0	7.1	-6.0	50
55	28.8	24.8	18.9	309	2.3	38.0	7.2	0.0	55
60	28.6	24.5	17.5	309	2.4	40.0	7.4	-14.0	60
65	28.3	24.1	18.0	306	2.5	30.0	7.1	0.0	65
70	28.0	23.8	17.4	305	2.6	32.0	6.7	-8.0	70
75	27.7	23.5	17.0	305	2.7	24.0	6.2	0.0	75
80	27.5	23.2	16.7	303	2.8	24.0	5.6	-68.0	80
85	27.4	23.0	16.6	301	2.9	84.0	6.2	-2.0	85
90	27.3	22.7	16.4	301	3.0	40.0	5.5	-2.0	90
95	27.1	22.4	16.3	299	3.1	32.0	4.9	-78.0	95
100	27.0	22.2	16.1	299	3.1	90.0	5.6	-2.0	100
125	27.0	21.9	15.8	298	3.2	124.0	5.0	-52.0	125
150	26.4	20.8	13.9	294	3.5	12.0	4.9	0.4	150
175	26.0	19.6	12.5	284	3.6	12.0	4.7	0.0	175
200	25.4	18.5	11.8	282	3.7	20.0	4.5	0.4	200
225	24.7	17.5	10.9	269	3.7	11.6	4.4	0.0	225
250	23.6	16.5	10.0	224	3.6	10.4	4.4	0.8	250
275	22.1	15.2	8.4	152	3.6	7.6	4.1	1.6	275

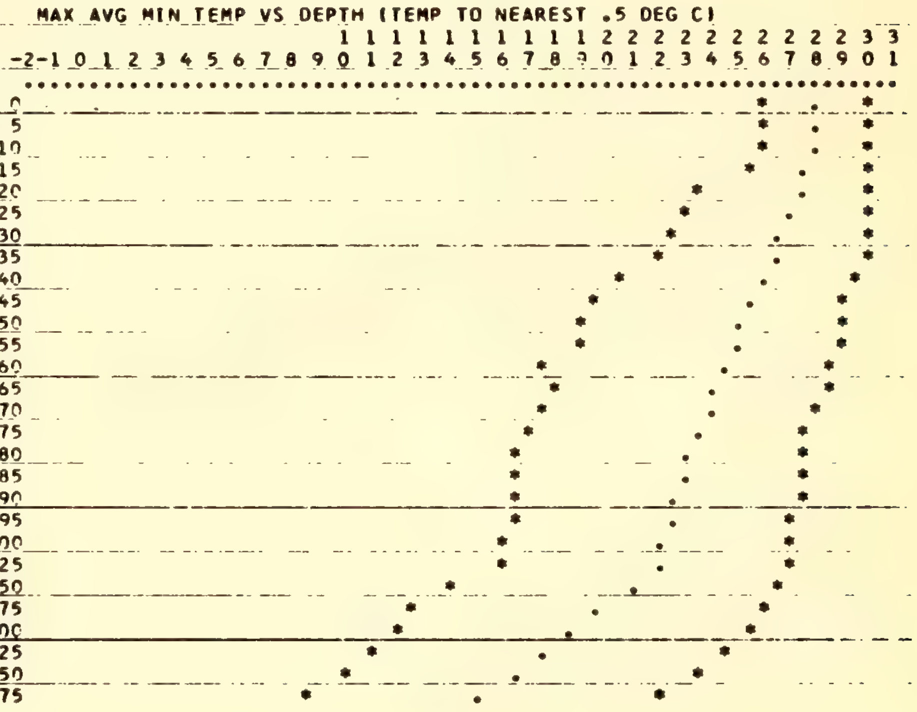
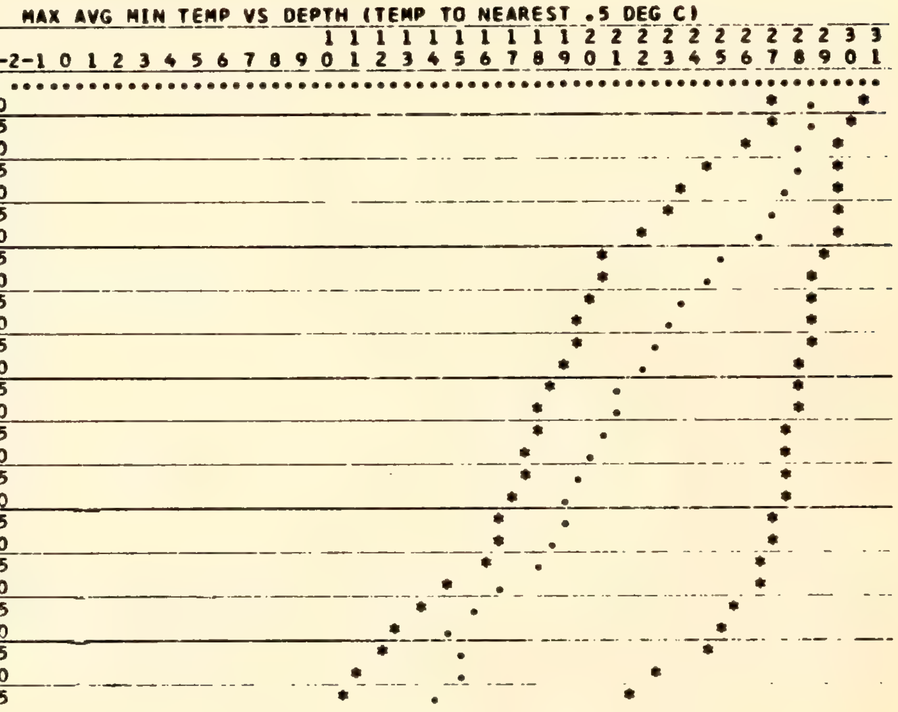


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16A MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.4	28.4	27.0	193	0.6	0.0	0.0	0.0	0
5	29.8	28.3	27.0	193	0.5	22.0	1.7	-4.0	5
10	29.6	28.2	26.2	193	0.5	18.0	1.9	-2.0	10
15	29.5	28.0	24.3	193	0.7	40.0	3.9	-2.0	15
20	29.5	27.7	23.7	193	0.9	38.0	6.4	-2.0	20
25	29.5	27.2	22.8	193	1.1	42.0	10.0	-2.0	25
30	29.4	26.4	21.8	193	1.3	48.0	15.9	-4.0	30
35	29.1	25.2	20.6	158	1.5	52.0	18.8	0.0	35
40	28.6	24.3	20.3	158	1.7	42.0	17.7	0.0	40
45	28.6	23.5	19.9	158	1.8	32.0	16.0	0.0	45
50	28.5	22.9	19.7	158	1.9	28.0	13.1	0.0	50
55	28.4	22.3	19.3	158	2.0	30.0	11.6	2.0	55
60	28.1	21.8	18.9	158	2.0	26.0	10.9	2.0	60
65	28.0	21.2	18.3	158	2.1	28.0	10.4	0.0	65
70	27.9	20.8	18.1	158	2.1	26.0	9.5	0.0	70
75	27.6	20.3	17.9	158	2.2	22.0	8.6	0.0	75
80	27.5	19.9	17.6	158	2.3	20.0	8.2	0.0	80
85	27.4	19.5	17.3	158	2.3	16.0	7.6	0.0	85
90	27.3	19.2	16.9	158	2.4	16.0	6.8	0.0	90
95	27.1	18.8	16.7	157	2.5	18.0	7.0	0.0	95
100	26.9	18.5	16.3	157	2.5	14.0	6.9	0.0	100
125	26.7	18.2	15.9	157	2.6	16.0	6.7	0.0	125
150	26.3	16.7	14.5	154	2.7	13.6	5.6	0.8	150
175	25.6	15.5	13.7	142	2.8	8.0	4.5	1.6	175
200	25.1	14.5	12.7	132	3.0	9.6	4.1	1.2	200
225	24.5	15.0	11.9	55	4.0	9.2	4.2	2.0	225
250	22.6	15.2	11.2	31	4.0	7.6	3.9	2.0	250
275	21.5	14.0	10.4	22	3.7	4.8	3.1	1.6	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16A MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.7	29.4	27.9	227	0.4	0.0	0.0	0.0	0
5	30.6	29.3	27.9	227	0.3	16.0	1.3	-6.0	5
10	30.6	29.3	27.8	227	0.3	12.0	1.6	-2.0	10
15	30.6	29.2	27.5	227	0.4	16.0	1.5	-4.0	15
20	30.6	29.0	26.0	227	0.5	50.0	2.7	-4.0	20
25	30.6	28.8	24.0	227	0.8	52.0	5.1	-2.0	25
30	30.5	28.5	22.6	226	1.1	50.0	6.7	-6.0	30
35	30.1	28.0	22.2	217	1.4	52.0	9.2	0.0	35
40	30.1	27.5	21.3	217	1.7	42.0	10.8	0.0	40
45	30.1	26.9	19.9	214	2.0	52.0	11.7	0.0	45
50	29.3	26.3	19.0	213	2.1	42.0	10.6	0.0	50
55	29.0	25.8	18.3	212	2.4	38.0	9.7	0.0	55
60	28.8	25.4	18.1	212	2.5	50.0	8.8	0.0	60
65	28.6	25.0	17.8	207	2.7	38.0	8.2	0.0	65
70	28.4	24.7	17.6	207	2.8	28.0	7.3	-2.0	70
75	28.1	24.3	17.3	206	3.0	28.0	6.7	0.0	75
80	28.0	24.0	16.9	206	3.1	22.0	6.8	0.0	80
85	27.9	23.7	16.7	206	3.2	26.0	6.2	0.0	85
90	27.8	23.4	16.3	205	3.2	20.0	5.9	-2.0	90
95	27.5	23.1	16.1	200	3.3	26.0	5.5	0.0	95
100	27.3	22.8	16.0	200	3.4	28.0	5.4	0.0	100
125	27.1	22.5	15.9	198	3.5	36.0	4.9	-2.0	125
150	26.5	21.2	15.0	186	3.7	16.8	5.1	1.6	150
175	25.9	20.0	13.5	178	3.8	16.0	4.9	0.4	175
200	25.0	18.7	12.5	174	3.7	12.0	5.0	1.2	200
225	24.6	17.4	11.7	171	3.5	10.4	5.0	1.6	225
250	23.8	16.3	11.2	163	3.3	12.4	4.6	1.2	250
275	22.1	15.5	10.1	143	3.2	7.6	4.1	1.2	275

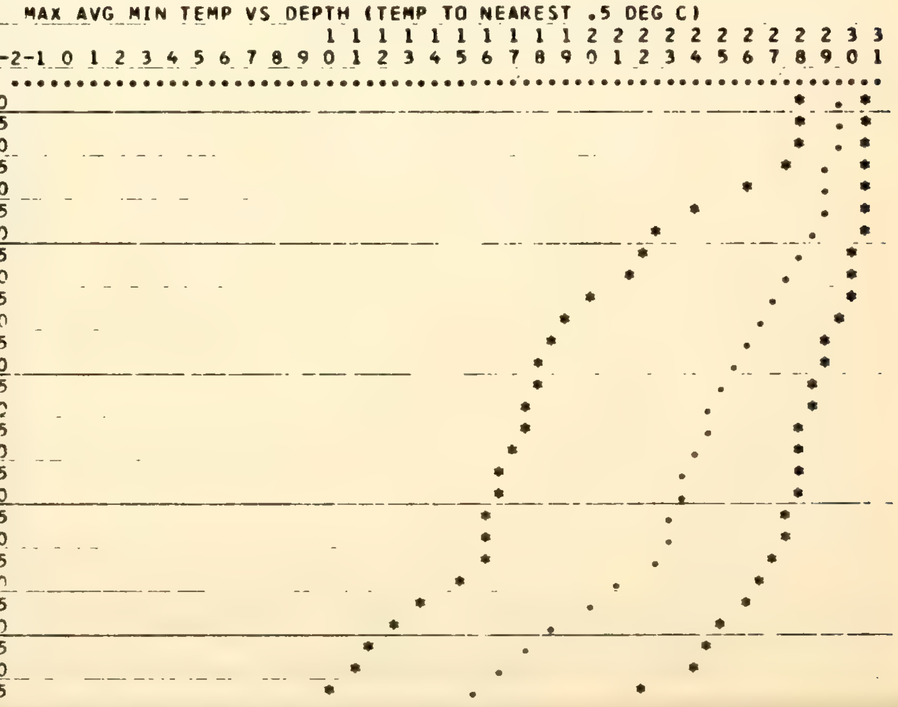


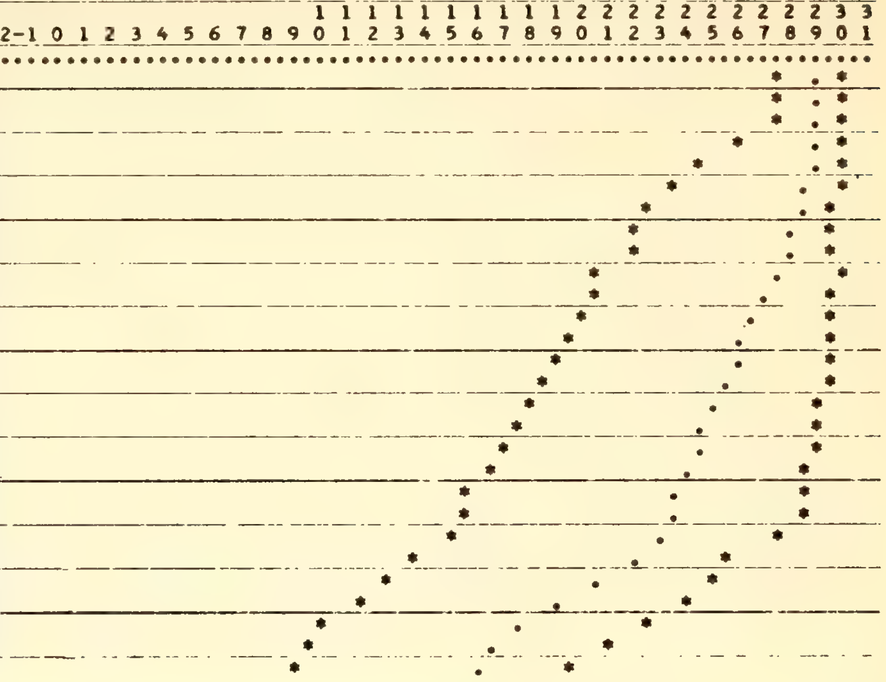
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16A MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.0	28.9	27.6	127	0.5	0.0	0.0	0.0	0
5	30.0	28.9	27.7	127	0.5	8.0	0.4	-2.0	5
10	30.0	28.9	27.6	127	0.5	6.0	0.4	-2.0	10
15	30.0	28.8	26.0	127	0.5	46.0	0.9	-2.0	15
20	30.0	28.8	24.4	127	0.7	32.0	1.3	-2.0	20
25	29.8	28.6	23.7	127	0.9	52.0	2.4	-8.0	25
30	29.7	28.4	22.7	127	1.2	42.0	3.7	-2.0	30
35	29.6	28.2	22.2	127	1.3	40.0	4.7	-2.0	35
40	29.7	27.9	21.8	127	1.5	40.0	5.8	-2.0	40
45	29.8	27.5	20.7	127	1.7	38.0	7.7	-2.0	45
50	29.7	27.1	20.3	127	1.9	56.0	9.0	0.0	50
55	29.6	26.7	20.0	126	2.0	66.0	8.5	0.0	55
60	29.5	26.2	19.5	126	2.2	40.0	9.0	-22.0	60
65	29.4	25.8	19.0	125	2.3	40.0	9.3	0.0	65
70	29.3	25.3	18.4	125	2.5	32.0	8.2	0.0	70
75	29.2	24.9	18.0	125	2.6	40.0	8.0	0.0	75
80	29.0	24.6	17.4	125	2.7	32.0	6.6	0.0	80
85	28.8	24.3	17.0	124	2.8	44.0	6.8	0.0	85
90	28.7	24.0	16.4	124	2.9	22.0	6.2	0.0	90
95	28.6	23.7	15.7	119	2.9	26.0	5.5	0.0	95
100	28.4	23.4	15.3	119	3.0	20.0	5.3	-12.0	100
125	27.5	23.1	15.0	118	3.1	20.0	5.4	0.0	125
150	25.7	21.9	13.3	111	3.5	18.8	5.0	0.8	150
175	25.1	20.3	12.5	103	3.7	17.6	5.5	0.8	175
200	24.0	18.8	11.7	102	3.5	20.8	6.1	2.4	200
225	22.3	17.4	10.2	100	3.3	10.4	5.4	1.6	225
250	20.8	16.5	9.3	67	3.4	9.6	4.5	1.2	250
275	19.6	16.2	9.1	34	3.2	6.8	3.9	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16A MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.3	27.1	25.0	117	0.8	0.0	0.0	0.0	0
5	28.3	27.1	25.0	117	0.8	2.0	0.0	-2.0	5
10	28.3	27.1	25.0	117	0.8	2.0	0.1	0.0	10
15	28.3	27.1	25.0	117	0.8	4.0	0.1	-2.0	15
20	28.3	27.1	25.0	117	0.8	4.0	0.2	0.0	20
25	28.3	27.1	25.0	117	0.8	12.0	0.3	0.0	25
30	28.3	27.0	25.0	117	0.8	60.0	1.1	-2.0	30
35	28.3	26.9	23.6	117	0.9	32.0	1.3	-2.0	35
40	28.3	26.8	22.6	117	1.1	64.0	3.1	-4.0	40
45	28.2	26.6	22.0	117	1.3	54.0	2.9	-4.0	45
50	28.2	26.4	21.1	117	1.5	46.0	4.1	-12.0	50
55	28.2	26.1	20.9	117	1.8	52.0	6.8	-2.0	55
60	28.2	25.8	20.5	117	2.1	40.0	6.6	0.0	60
65	28.2	25.3	20.0	116	2.3	58.0	9.1	0.0	65
70	28.2	24.7	19.5	116	2.5	70.0	11.5	0.0	70
75	28.2	24.3	19.1	116	2.7	42.0	9.7	-8.0	75
80	28.2	23.9	19.0	112	2.9	40.0	8.9	0.0	80
85	28.2	23.5	18.8	112	3.0	48.0	7.4	-2.0	85
90	28.2	23.2	18.5	109	3.1	30.0	6.8	0.0	90
95	28.2	23.0	17.8	103	3.3	24.0	6.6	0.0	95
100	28.2	22.7	17.5	103	3.4	20.0	5.8	-2.0	100
125	28.2	22.5	17.5	102	3.5	30.0	5.0	0.0	125
150	27.8	21.2	15.7	97	3.7	13.2	5.6	0.0	150
175	26.1	19.7	14.2	87	3.7	12.8	5.4	1.6	175
200	24.9	18.6	13.4	82	3.6	11.6	5.0	1.6	200
225	23.5	17.5	12.2	78	3.5	9.2	4.9	1.2	225
250	22.0	16.3	11.2	77	3.3	8.4	4.7	1.2	250
275	20.7	15.5	10.1	71	3.2	8.8	4.0	2.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

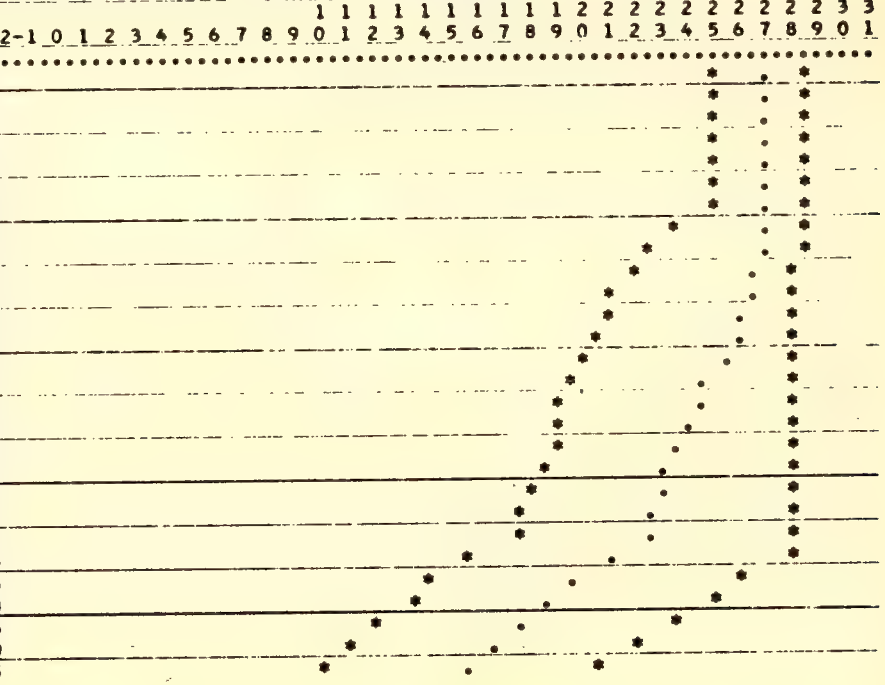


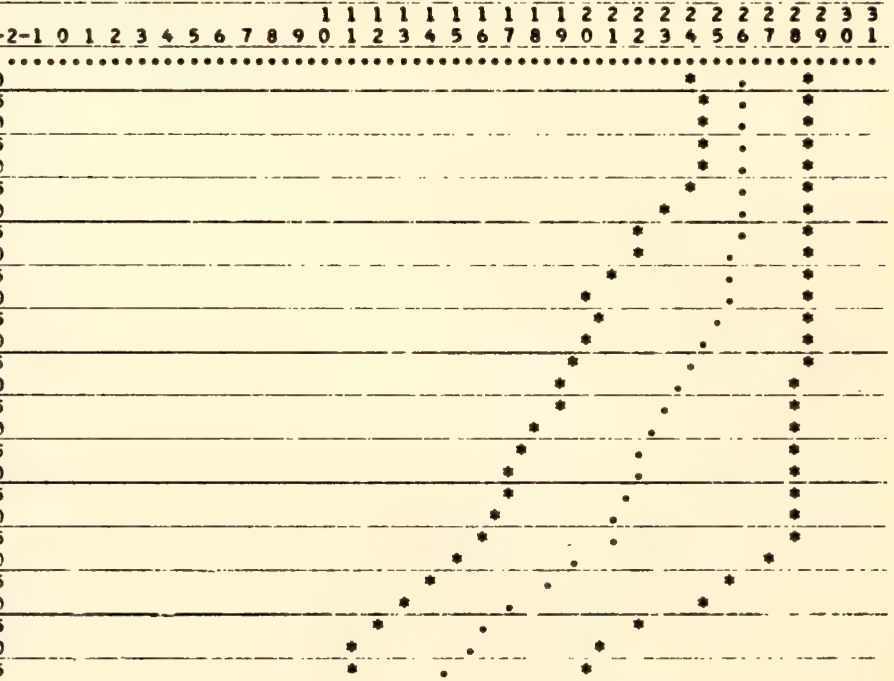
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16A MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.4	26.2	23.9	110	0.9	0.0	0.0	0.0	0
5	28.3	26.2	24.4	110	0.9	4.0	0.0	-20.0	5
10	28.3	26.1	24.4	110	0.9	6.0	0.3	0.0	10
15	28.4	26.1	24.4	110	0.9	4.0	0.2	-2.0	15
20	28.4	26.1	24.4	110	0.9	8.0	0.3	-2.0	20
25	28.4	26.1	23.9	110	0.9	26.0	1.0	0.0	25
30	28.4	26.0	23.0	110	1.0	40.0	1.7	-2.0	30
35	28.4	25.9	22.0	110	1.2	42.0	2.2	0.0	35
40	28.4	25.7	21.8	110	1.4	46.0	2.6	-2.0	40
45	28.4	25.6	21.1	110	1.6	32.0	3.0	-2.0	45
50	28.4	25.4	20.2	110	1.8	36.0	4.6	0.0	50
55	28.4	25.0	20.3	110	2.0	38.0	6.2	-2.0	55
60	28.4	24.7	19.9	110	2.2	48.0	7.5	-2.0	60
65	28.3	24.2	19.3	110	2.4	46.0	10.0	-4.0	65
70	28.2	23.6	19.1	110	2.5	34.0	10.7	-2.0	70
75	28.2	23.2	18.8	110	2.6	48.0	9.5	0.0	75
80	28.2	22.7	18.1	108	2.7	32.0	10.0	0.0	80
85	28.2	22.2	17.5	107	2.8	44.0	9.7	0.0	85
90	28.2	21.9	17.1	105	2.9	46.0	8.0	0.0	90
95	28.2	21.5	16.9	102	2.9	22.0	7.1	-2.0	95
100	28.2	21.2	16.7	102	2.9	28.0	6.6	0.0	100
125	28.2	20.9	16.2	100	3.0	18.0	6.4	0.0	125
150	26.9	19.6	15.2	93	3.0	12.8	5.4	1.6	150
175	25.3	18.4	14.1	82	2.9	10.4	4.9	1.2	175
200	24.3	17.2	13.1	81	2.7	10.4	4.8	1.6	200
225	22.1	16.2	12.0	78	2.4	8.8	4.2	1.2	225
250	20.5	15.4	11.2	75	2.3	6.4	3.5	2.0	250
275	19.9	14.5	11.0	63	2.2	7.2	3.5	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 16A MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.4	24.7	23.3	17	0.4	0.0	0.0	0.0	0
5	25.4	24.8	23.3	17	0.4	0.0	-0.3	-4.0	5
10	25.4	24.8	23.3	17	0.4	2.0	-0.1	-2.0	10
15	25.3	24.8	23.3	17	0.4	2.0	0.1	0.0	15
20	25.3	24.8	23.3	17	0.4	0.0	0.0	0.0	20
25	25.3	24.8	23.3	17	0.4	0.0	0.0	0.0	25
30	25.3	24.8	23.3	17	0.4	2.0	0.1	0.0	30
35	25.3	24.8	23.3	17	0.4	2.0	0.1	0.0	35
40	25.3	24.7	23.3	17	0.4	2.0	0.1	0.0	40
45	25.3	24.7	23.3	17	0.4	2.0	0.1	0.0	45
50	25.3	24.7	23.3	17	0.4	2.0	0.1	0.0	50
55	25.3	24.7	23.3	17	0.4	2.0	0.1	0.0	55
60	25.3	24.7	23.2	17	0.4	2.0	0.4	0.0	60
65	25.3	24.7	23.0	17	0.5	4.0	0.6	0.0	65
70	25.3	24.6	21.9	17	0.7	22.0	1.5	0.0	70
75	25.3	24.6	21.6	17	0.8	6.0	0.4	0.0	75
80	25.3	24.6	21.1	17	0.9	10.0	0.7	0.0	80
85	25.3	24.5	20.7	17	1.0	8.0	0.6	0.0	85
90	25.3	24.4	20.3	17	1.1	12.0	1.6	0.0	90
95	25.2	24.3	19.7	17	1.3	26.0	3.8	0.0	95
100	25.2	24.2	19.4	17	1.5	10.0	1.5	0.0	100
125	25.2	24.2	19.1	16	1.5	8.0	1.0	0.0	125
150	25.0	24.1	20.3	15	1.5	11.6	2.1	0.0	150
175	25.0	23.5	18.8	14	1.8	9.6	3.4	0.0	175
200	23.6	21.7	17.8	14	1.6	9.6	7.1	4.0	200
225	21.6	20.0	17.0	14	1.3	8.4	6.9	3.2	225
250	20.0	18.7	16.6	14	0.9	7.2	5.1	1.6	250
275	18.8	17.8	15.6	14	0.8	4.8	3.9	2.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

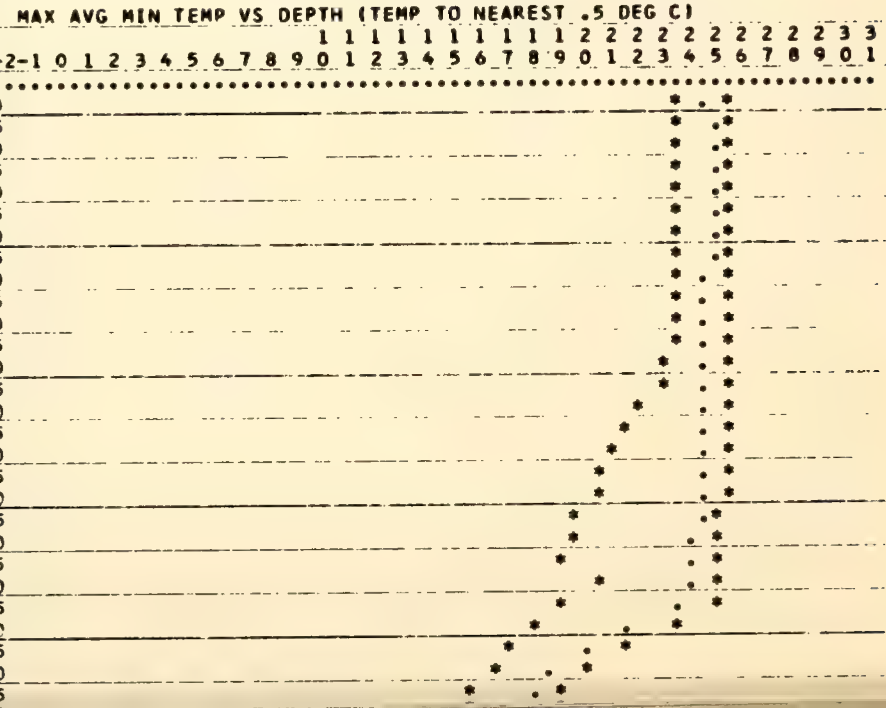


Table VI-1.--Continued

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                     NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17    MONTH  1
                                                                      MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                                 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                               GRADIENT          -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS  MAX    AVG    MIN   NUM  SDEV         MAX    AVG    MIN       ....................................................................
     0 24.2   22.5   19.0   174   1.0         0.0    0.0    0.0    0                                             *      .  *
     5 24.1   22.5   19.0   174   0.9         8.0    0.3   -4.0    5                                             *      .  *
    10 24.0   22.5   19.0   174   0.9         4.0    0.3   -2.0   10                                             *      .  *
    15 23.9   22.4   19.0   174   0.9         6.0    0.4   -2.0   15                                             *      .  *
    20 23.9   22.4   19.0   174   0.9         4.0    0.4   -2.0   20                                             *      .  *
    25 23.9   22.4   19.0   174   0.9         6.0    0.3   -2.0   25                                             *      .  *
    30 23.9   22.4   19.0   174   0.9        10.0    0.6   -2.0   30                                             *      .  *
    35 23.9   22.4   19.0   174   0.9         8.0    0.6   -4.0   35                                             *      .  *
    40 23.9   22.3   19.0   174   0.9        10.0    0.7   -2.0   40                                             *      .  *
    45 23.9   22.3   19.0   173   0.9         8.0    0.8   -4.0   45                                             *      .  *
    50 23.9   22.2   19.0   173   0.9        12.0    0.8   -2.0   50                                             *     .   *
    55 23.9   22.2   19.0   172   1.0        14.0    0.9   -2.0   55                                             *     .   *
    60 23.8   22.1   19.0   171   1.0        16.0    1.3   -2.0   60                                             *     .   *
    65 23.8   22.0   19.0   171   1.0        24.0    1.4   -2.0   65                                             *     .   *
    70 23.8   22.0   19.0   171   1.1        18.0    1.7   -2.0   70                                             *     .   *
    75 23.8   21.8   18.2   171   1.2        36.0    2.4   -2.0   75                                           *       .   *
    80 23.8   21.7   17.8   171   1.2        34.0    2.7    0.0   80                                           *      .    *
    85 23.7   21.5   17.3   171   1.3        28.0    3.7   -2.0   85                                          *       .   *
    90 23.7   21.3   16.9   168   1.4        28.0    4.3   -4.0   90                                         *        .   *
    95 23.6   21.1   16.6   166   1.5        24.0    5.1   -2.0   95                                        *        .    *
   100 23.6   20.7   16.4   166   1.6        26.0    6.3   -4.0  100                                        *       .     *
   125 23.6   19.1   14.8   133   1.8        15.2    7.0    0.0  125                                     *       .        *
   150 23.5   18.2   15.0    63   2.1         9.6    5.1    0.0  150                                     *     .          *
   175 23.4   17.0   14.0    62   2.3         9.6    5.0    0.4  175                                   *     .            *
   200 22.5   15.9   12.2    61   2.2         8.8    4.7    2.8  200                               *       .            *
   225 21.0   15.0   12.0    50   2.2         7.6    4.3    2.8  225                               *     .           *
   250 19.0   14.6   11.6    25   2.1         6.0    3.7    1.6  250                              *     .        *
   275 18.2   15.4   13.0     5   2.3         5.6    4.1    2.8  275                                 *    .    *
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                     NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17    MONTH  2
                                                                      MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                                 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                               GRADIENT          -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS  MAX    AVG    MIN   NUM  SDEV         MAX    AVG    MIN       ....................................................................
     0 25.9   22.5   18.9   348   1.6         0.0    0.0    0.0    0                                             *      .      *
     5 25.6   22.4   18.9   348   1.6        12.0    0.6   -2.0    5                                             *      .     *
    10 25.6   22.4   18.9   348   1.6        10.0    0.6   -2.0   10                                             *      .     *
    15 25.5   22.4   18.9   348   1.5        10.0    0.7   -4.0   15                                             *      .     *
    20 25.4   22.3   18.9   348   1.5        16.0    0.8   -2.0   20                                             *      .     *
    25 25.2   22.3   18.9   347   1.5        12.0    0.7   -2.0   25                                             *      .    *
    30 25.1   22.3   18.9   347   1.5        12.0    1.1   -4.0   30                                             *      .    *
    35 25.1   22.2   18.8   346   1.5         8.0    0.7   -2.0   35                                             *     .     *
    40 25.1   22.2   18.8   344   1.4        16.0    0.9   -4.0   40                                             *     .     *
    45 24.9   22.1   18.8   343   1.4        10.0    1.1   -2.0   45                                             *     .     *
    50 24.8   22.1   18.8   337   1.4        10.0    0.8   -2.0   50                                             *     .     *
    55 24.6   22.2   18.8   266   1.4        16.0    1.4   -2.0   55                                             *     .    *
    60 24.4   22.1   18.8   266   1.3        12.0    1.6   -2.0   60                                             *     .    *
    65 24.3   22.0   18.8   266   1.3        24.0    1.7   -2.0   65                                             *     .    *
    70 24.1   22.0   18.8   266   1.3        14.0    1.8    0.0   70                                             *     .   *
    75 24.1   21.8   18.7   266   1.3        20.0    2.2   -2.0   75                                            *      .   *
    80 24.0   21.7   18.7   266   1.2        20.0    2.5   -6.0   80                                            *     .    *
    85 23.9   21.5   18.0   266   1.3        28.0    3.8    0.0   85                                           *      .    *
    90 23.9   21.3   17.8   266   1.3        24.0    4.0    0.0   90                                           *      .    *
    95 23.9   21.1   17.3   266   1.4        30.0    4.3    0.0   95                                          *      .     *
   100 23.9   20.9   16.8   266   1.5        26.0    4.8   -4.0  100                                         *       .     *
   125 23.8   19.4   15.1   261   1.8        16.4    5.8    0.0  125                                     *        .        *
   150 23.7   18.2   14.0   248   1.9        13.2    5.3    0.0  150                                   *       .          *
   175 22.4   16.9   12.9   245   1.9        10.4    5.0    0.4  175                                 *       .          *
   200 21.5   15.8   11.9   241   1.8         8.4    4.3    0.8  200                               *       .          *
   225 20.0   14.8   10.9   222   1.8         7.2    4.1    2.0  225                             *       .         *
   250 18.8   13.7    9.7   168   1.6         5.6    3.7    1.6  250                          *       .          *
   275 17.9   12.9    8.8    66   2.0         7.2    3.7    1.2  275                         *       .         *
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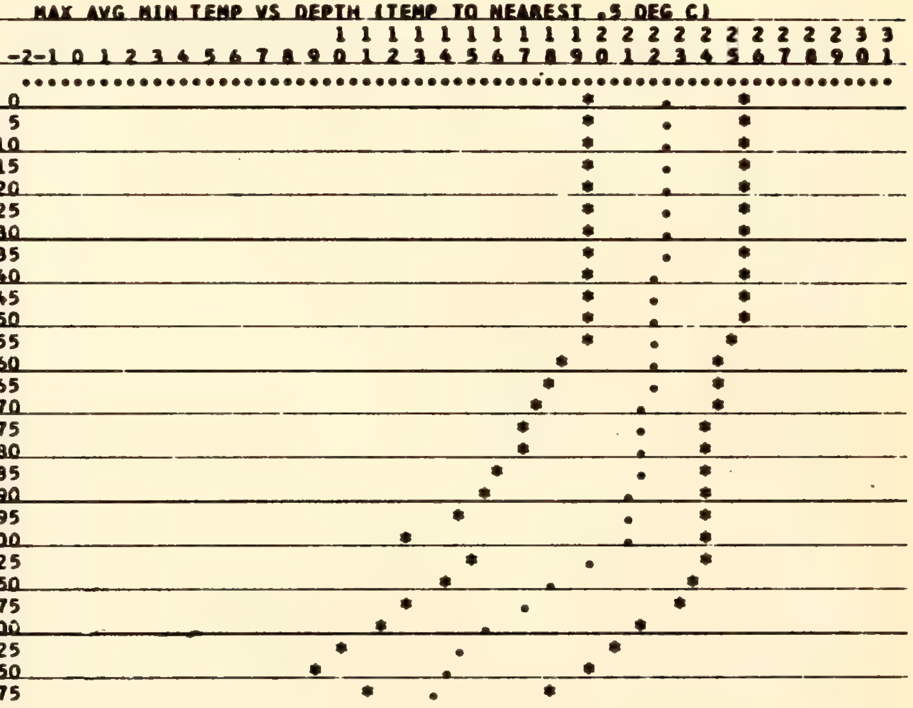
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17   MONTH 3

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	25.5	22.5	19.7	318	1.2	0.0	0.0	0.0	0
5	25.5	22.5	19.7	318	1.2	6.0	0.4	-22.0	5
10	25.5	22.5	19.7	318	1.2	16.0	0.6	-2.0	10
15	25.5	22.4	19.7	318	1.2	14.0	0.8	0.0	15
20	25.4	22.4	19.7	318	1.2	6.0	0.6	-10.0	20
25	25.4	22.4	19.6	318	1.2	8.0	0.6	-2.0	25
30	25.4	22.3	19.6	318	1.2	10.0	0.8	-2.0	30
35	25.4	22.3	19.5	318	1.1	20.0	1.1	0.0	35
40	25.4	22.2	19.5	318	1.1	10.0	0.9	0.0	40
45	25.4	22.2	19.5	318	1.1	12.0	1.1	-2.0	45
50	25.4	22.1	19.5	318	1.1	24.0	1.2	-2.0	50
55	25.0	22.0	19.4	317	1.1	20.0	1.8	-2.0	55
60	24.4	21.9	18.5	317	1.1	18.0	1.7	0.0	60
65	24.4	21.8	18.2	316	1.1	16.0	2.0	0.0	65
70	24.3	21.7	17.5	315	1.0	18.0	2.3	-6.0	70
75	24.1	21.6	17.0	315	1.0	22.0	2.5	-4.0	75
80	24.1	21.5	16.9	314	1.1	20.0	2.6	0.0	80
85	24.0	21.3	16.2	314	1.1	16.0	3.1	-2.0	85
90	24.0	21.2	15.5	313	1.1	20.0	3.1	-6.0	90
95	23.9	21.0	14.6	312	1.1	20.0	3.2	-4.0	95
100	23.9	20.8	12.5	312	1.2	42.0	4.0	-12.0	100
125	23.8	19.7	14.9	308	1.4	14.4	4.8	0.0	125
150	23.6	18.2	13.9	303	1.5	13.2	5.9	0.0	150
175	22.8	16.9	12.6	302	1.6	12.4	5.3	1.2	175
200	21.6	15.7	11.5	301	1.5	9.2	4.7	1.2	200
225	20.5	14.6	10.2	288	1.5	9.2	4.2	1.6	225
250	19.5	13.8	8.8	212	1.5	6.0	3.8	1.2	250
275	18.0	13.7	10.9	47	1.5	4.4	3.1	1.6	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17   MONTH 4

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	29.0	23.1	21.1	179	0.7	0.0	0.0	0.0	0
5	29.0	23.0	12.7	179	1.0	214.0	1.8	-4.0	5
10	29.0	23.0	21.1	179	0.7	14.0	0.2	-214.0	10
15	29.0	22.9	21.1	179	0.7	26.0	3.0	0.0	15
20	29.0	22.6	20.9	179	0.8	38.0	5.7	0.0	20
25	29.0	22.2	20.7	178	0.9	34.0	6.7	0.0	25
30	29.0	22.0	20.5	178	0.9	30.0	5.7	-4.0	30
35	29.0	21.8	20.1	178	1.0	40.0	4.2	0.0	35
40	29.0	21.6	19.9	178	1.0	38.0	3.6	0.0	40
45	29.0	21.4	19.8	178	1.0	20.0	3.1	-2.0	45
50	28.8	21.3	19.7	178	1.0	14.0	2.6	0.0	50
55	28.5	21.1	19.1	177	1.0	12.0	3.0	0.0	55
60	27.6	21.0	18.6	177	0.9	18.0	2.7	0.0	60
65	26.2	20.9	18.0	177	0.9	28.0	1.9	-2.0	65
70	25.4	20.8	17.7	177	0.9	16.0	2.0	0.0	70
75	24.5	20.7	17.6	177	0.9	18.0	2.2	-2.0	75
80	24.0	20.6	17.4	177	0.8	16.0	1.9	0.0	80
85	23.5	20.5	17.2	177	0.9	10.0	2.2	-2.0	85
90	23.0	20.4	17.1	176	0.9	14.0	2.4	-2.0	90
95	22.5	20.2	17.0	175	1.0	12.0	2.5	-2.0	95
100	22.2	20.1	16.9	175	1.0	12.0	3.4	0.0	100
125	21.2	18.9	14.8	151	1.7	12.0	4.4	0.0	125
150	19.2	17.2	15.4	47	0.9	10.8	5.3	2.8	150
175	18.2	16.1	14.6	46	0.8	8.0	4.4	2.0	175
200	17.5	15.3	13.6	41	0.8	5.6	3.5	1.2	200
225	16.9	14.4	12.9	18	0.9	4.8	3.5	1.6	225
250	14.6	13.7	12.4	5	0.9	4.4	3.4	2.0	250
275	13.8	13.8	13.8	1	0.0	3.2	3.2	3.2	275

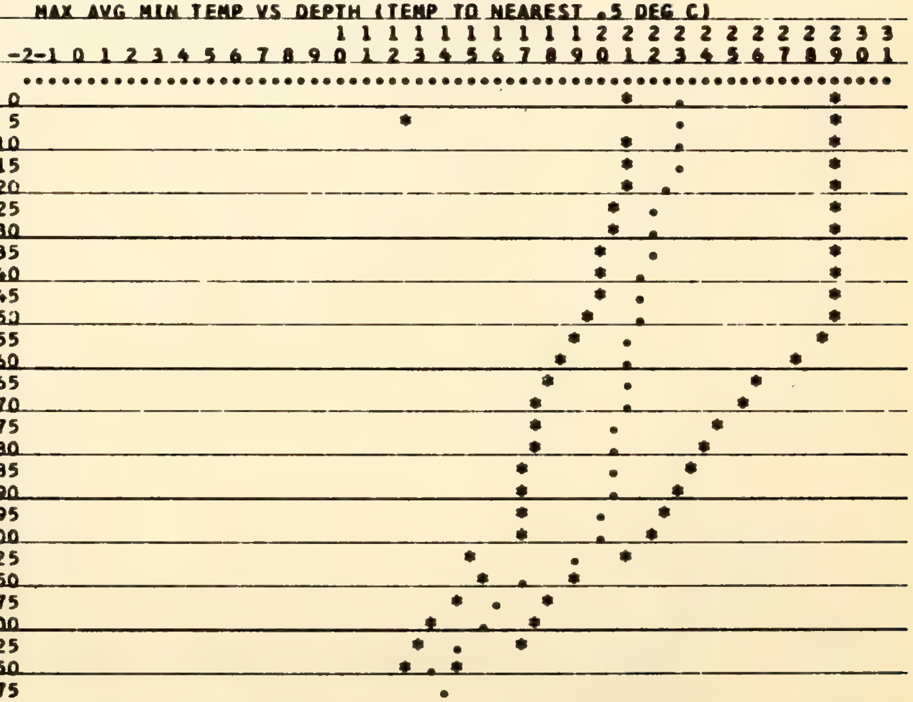


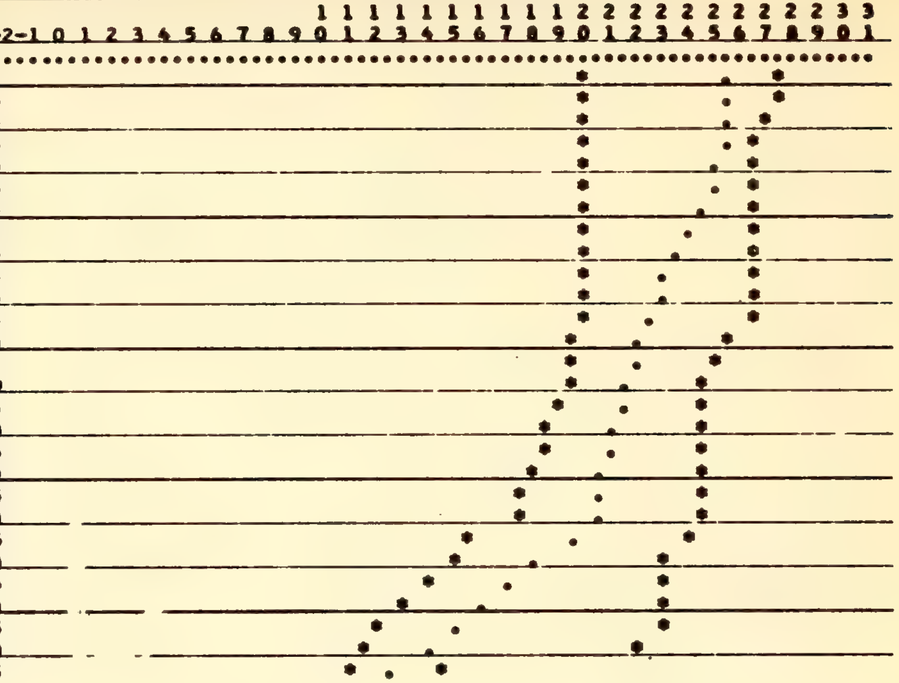
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.5	25.6	20.0	99	1.0	0.0	0.0	0.0	0
5	27.5	25.5	20.0	99	1.0	12.0	0.9	0.0	5
10	27.0	25.4	20.0	99	1.0	22.0	1.6	-4.0	10
15	26.7	25.3	20.0	99	1.0	18.0	2.6	-2.0	15
20	26.7	25.1	19.9	99	1.0	24.0	3.5	-2.0	20
25	26.5	24.9	19.9	99	1.1	40.0	4.7	0.0	25
30	26.4	24.5	19.9	99	1.2	40.0	7.3	0.0	30
35	26.4	24.1	19.9	99	1.4	52.0	8.6	0.0	35
40	26.5	23.6	19.9	99	1.4	38.0	9.7	-14.0	40
45	26.5	23.2	19.9	99	1.4	38.0	8.9	-2.0	45
50	26.4	22.8	19.9	99	1.4	52.0	7.5	0.0	50
55	26.3	22.4	19.8	99	1.3	42.0	7.2	0.0	55
60	25.4	22.1	19.6	99	1.3	46.0	6.6	0.0	60
65	24.8	21.8	19.4	99	1.2	42.0	5.6	-2.0	65
70	24.7	21.6	19.3	99	1.2	30.0	5.4	0.0	70
75	24.6	21.3	18.8	99	1.2	20.0	4.4	0.0	75
80	24.6	21.1	18.7	99	1.3	18.0	4.4	0.0	80
85	24.6	20.9	18.3	99	1.3	12.0	4.2	0.0	85
90	24.5	20.7	17.8	99	1.4	16.0	4.1	0.0	90
95	24.4	20.5	17.6	99	1.4	14.0	3.9	0.0	95
100	24.4	20.3	17.4	99	1.5	16.0	4.0	0.0	100
125	24.2	19.3	15.7	99	1.7	8.8	4.1	0.0	125
150	22.9	18.0	15.2	77	1.5	9.6	4.8	0.8	150
175	22.9	16.9	14.1	75	1.6	7.6	4.5	0.0	175
200	22.9	15.8	13.1	68	1.8	7.6	4.6	0.0	200
225	22.8	14.8	12.2	58	2.0	8.0	4.2	0.4	225
250	21.9	14.0	11.5	42	2.2	6.0	3.9	2.4	250
275	14.3	12.4	10.9	19	1.0	4.8	3.5	2.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.6	27.6	25.8	122	1.0	0.0	0.0	0.0	0
5	30.6	27.5	25.8	122	1.0	14.0	1.5	-4.0	5
10	30.3	27.4	25.8	122	1.0	16.0	2.1	-2.0	10
15	29.6	27.2	24.5	122	1.0	32.0	3.7	0.0	15
20	28.9	26.9	23.8	122	1.0	56.0	6.4	-18.0	20
25	28.3	26.3	22.2	122	1.3	64.0	11.5	0.0	25
30	28.1	25.8	21.6	122	1.4	48.0	10.8	-2.0	30
35	28.0	25.3	21.2	122	1.6	38.0	9.2	0.0	35
40	28.0	24.8	21.2	122	1.7	32.0	10.2	-2.0	40
45	28.0	24.2	20.4	121	1.8	44.0	11.2	0.0	45
50	27.9	23.7	20.2	121	1.8	40.0	11.5	0.0	50
55	27.7	23.1	19.5	121	1.8	54.0	11.5	0.0	55
60	27.2	22.5	19.0	119	1.7	40.0	10.9	0.0	60
65	27.1	22.1	18.8	119	1.6	40.0	9.0	0.0	65
70	26.1	21.7	18.6	119	1.5	28.0	7.7	2.0	70
75	25.2	21.4	18.4	119	1.5	32.0	6.4	0.0	75
80	24.6	21.1	18.2	119	1.5	18.0	5.8	0.0	80
85	24.4	20.7	17.3	119	1.6	18.0	6.3	0.0	85
90	24.0	20.5	16.8	119	1.6	18.0	5.5	0.0	90
95	23.7	20.2	16.6	119	1.6	16.0	4.7	0.0	95
100	23.4	20.0	16.2	119	1.6	14.0	4.7	0.0	100
125	22.2	18.8	14.8	118	1.7	11.6	4.7	0.8	125
150	21.1	17.6	13.8	115	1.7	9.2	4.9	0.0	150
175	20.0	16.5	13.0	115	1.7	7.2	4.6	1.2	175
200	19.6	15.4	11.8	106	1.7	6.6	4.3	1.2	200
225	18.4	14.4	10.2	86	1.7	6.8	4.0	2.0	225
250	17.1	13.2	9.4	67	1.6	5.6	3.9	1.6	250
275	14.7	12.0	10.2	28	0.9	5.2	3.5	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

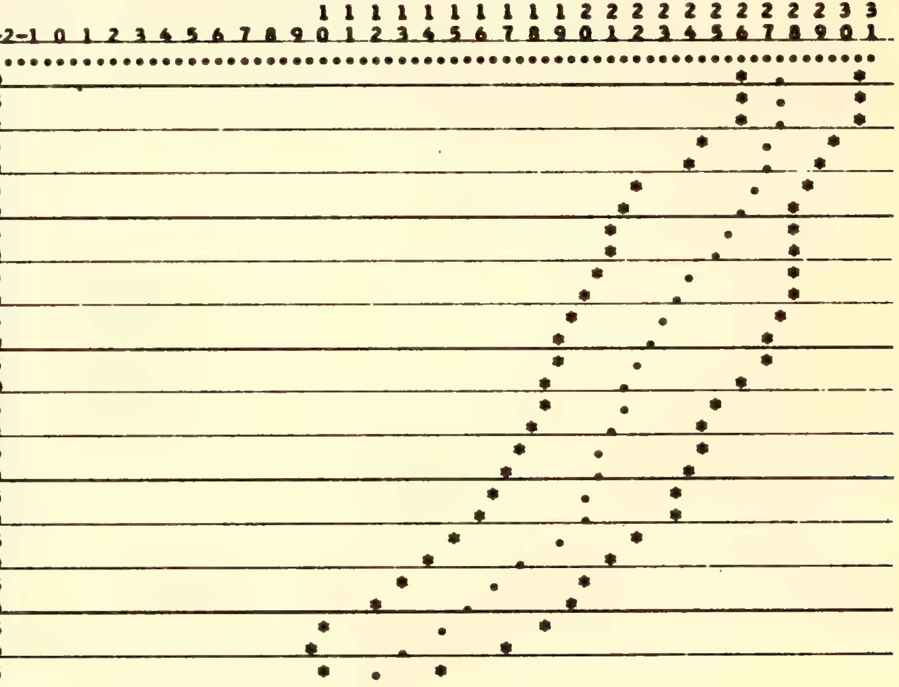
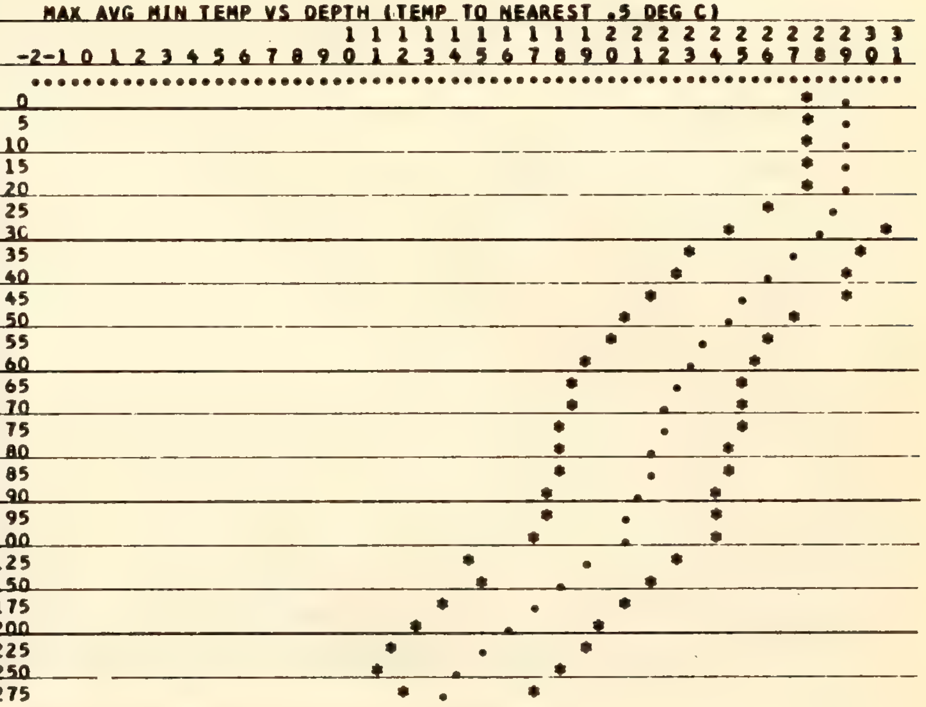


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	32.2	29.2	27.6	39	0.8	0.0	0.0	0.0	0
5	32.1	29.1	27.5	39	0.8	10.0	0.9	-6.0	5
10	32.1	29.0	27.4	39	0.8	8.0	1.7	-4.0	10
15	32.1	29.0	27.4	39	0.8	4.0	1.2	0.0	15
20	32.1	28.9	27.3	39	0.8	14.0	2.1	-2.0	20
25	32.0	28.6	26.1	39	0.9	24.0	4.3	0.0	25
30	30.4	28.0	24.3	39	1.2	60.0	12.1	0.0	30
35	29.4	27.1	23.0	39	1.4	70.0	18.7	0.0	35
40	29.2	26.0	22.5	39	1.4	66.0	21.7	2.0	40
45	29.0	25.1	21.6	39	1.3	44.0	17.7	4.0	45
50	26.9	24.3	20.3	39	1.3	60.0	16.1	2.0	50
55	26.2	23.7	19.8	39	1.2	36.0	12.2	4.0	55
60	25.7	23.2	19.2	39	1.2	28.0	10.6	2.0	60
65	25.2	22.7	18.7	39	1.2	30.0	10.5	0.0	65
70	25.0	22.2	18.6	39	1.2	18.0	8.3	2.0	70
75	24.9	21.9	18.2	39	1.2	16.0	6.6	2.0	75
80	24.7	21.6	17.9	39	1.3	20.0	7.0	2.0	80
85	24.4	21.3	17.8	39	1.3	14.0	5.6	2.0	85
90	24.1	21.0	17.7	39	1.3	12.0	6.1	2.0	90
95	24.0	20.7	17.5	39	1.3	16.0	5.5	0.0	95
100	23.9	20.6	17.1	39	1.4	14.0	6.1	0.0	100
125	22.4	19.1	14.4	39	1.6	11.6	5.1	0.4	125
150	21.3	18.2	15.0	37	1.3	8.4	4.6	2.8	150
175	20.7	16.9	13.4	36	1.3	6.4	4.7	2.4	175
200	19.7	15.8	12.5	33	1.3	5.6	4.1	2.4	200
225	18.8	14.9	11.6	28	1.4	4.8	3.5	2.0	225
250	18.0	14.0	10.9	19	1.6	4.8	3.5	2.8	250
275	17.1	13.3	11.9	8	1.8	4.4	3.0	1.6	275


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.7	29.2	21.8	234	0.7	0.0	0.0	0.0	0
5	30.3	29.2	21.8	234	0.7	8.0	0.5	-8.0	5
10	30.1	29.1	21.8	234	0.7	12.0	0.9	-10.0	10
15	30.1	29.1	21.8	234	0.6	10.0	0.7	-4.0	15
20	29.9	29.0	21.8	234	0.6	24.0	1.9	-6.0	20
25	29.9	28.8	21.8	234	0.7	52.0	4.1	-4.0	25
30	29.7	28.4	21.8	234	1.0	54.0	8.8	-4.0	30
35	29.8	27.7	21.8	233	1.4	58.0	12.6	-8.0	35
40	29.3	26.9	20.9	233	1.6	62.0	16.9	0.0	40
45	29.0	25.9	20.1	233	1.7	58.0	19.5	0.0	45
50	29.0	24.9	19.9	233	1.8	68.0	19.3	-2.0	50
55	28.3	24.0	19.1	233	1.6	54.0	19.0	0.0	55
60	27.2	23.3	18.8	233	1.4	52.0	14.5	0.0	60
65	26.9	22.7	18.5	215	1.4	36.0	12.8	0.0	65
70	26.6	22.2	18.1	215	1.3	28.0	10.7	0.0	70
75	26.3	21.7	18.0	214	1.3	30.0	8.6	0.0	75
80	26.1	21.3	17.6	214	1.3	20.0	8.2	0.0	80
85	25.9	21.0	17.1	213	1.4	22.0	7.6	2.0	85
90	25.4	20.6	16.9	212	1.4	20.0	6.8	-2.0	90
95	24.7	20.3	16.5	212	1.5	18.0	6.3	0.0	95
100	24.2	20.0	16.1	212	1.5	20.0	5.6	-4.0	100
125	22.7	18.6	14.7	205	1.6	9.6	5.4	0.8	125
150	21.2	17.4	13.8	203	1.6	9.2	4.8	0.4	150
175	19.9	16.3	12.6	202	1.7	11.2	4.5	0.8	175
200	19.3	15.3	11.6	200	1.6	7.2	4.2	2.0	200
225	17.8	14.2	10.7	186	1.6	7.2	4.0	0.8	225
250	16.7	13.4	10.0	153	1.5	8.0	3.7	2.0	250
275	15.8	12.6	9.3	122	1.5	7.2	3.4	2.0	275

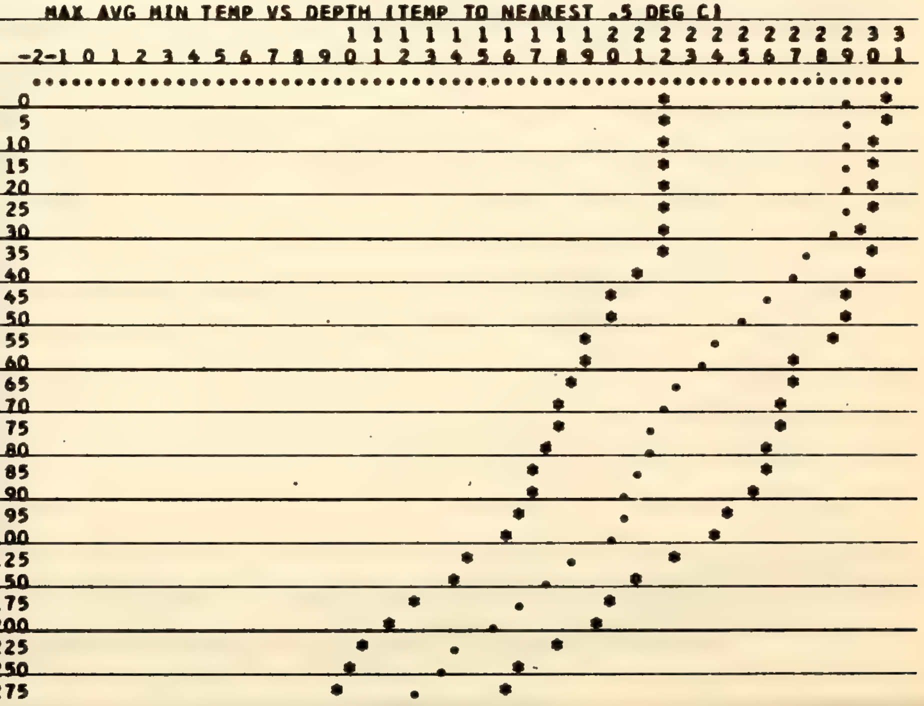
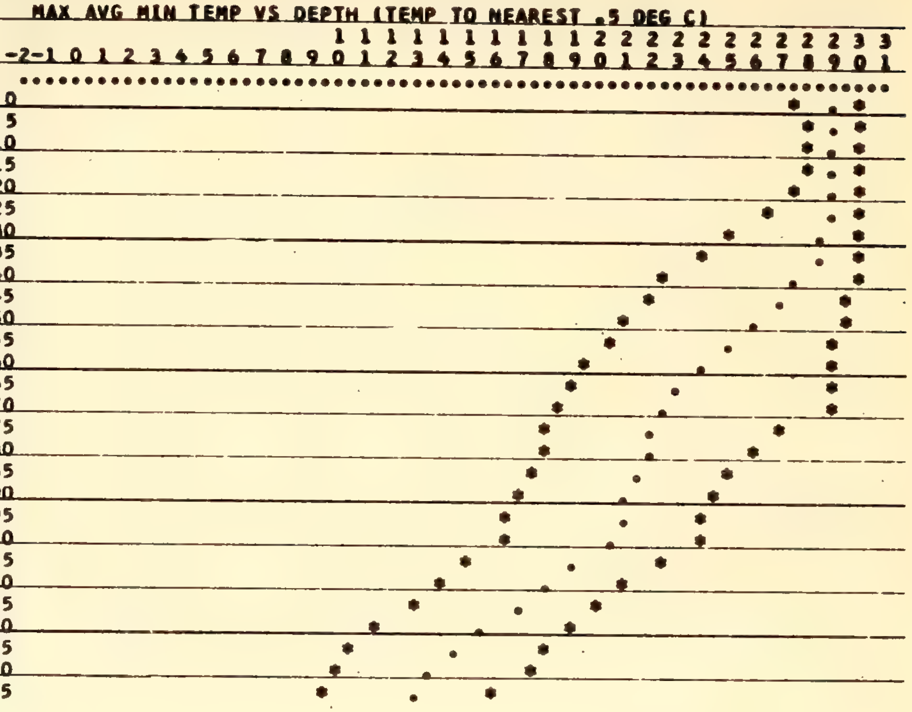

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17   MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.0	28.9	27.7	187	0.5	0.0	0.0	0.0	0
5	29.9	28.9	27.8	187	0.5	10.0	0.3	-4.0	5
10	29.8	28.9	27.8	187	0.5	6.0	0.3	-4.0	10
15	29.8	28.8	27.8	186	0.5	10.0	0.2	-6.0	15
20	29.8	28.8	27.4	186	0.5	12.0	0.2	-4.0	20
25	29.8	28.8	26.7	186	0.5	52.0	0.8	-6.0	25
30	29.8	28.7	25.1	186	0.7	56.0	2.6	-2.0	30
35	29.8	28.4	24.0	186	1.0	70.0	5.4	-2.0	35
40	29.8	27.7	22.5	186	1.5	80.0	13.2	-2.0	40
45	29.5	26.8	21.8	186	1.8	88.0	18.8	-2.0	45
50	29.4	25.8	21.0	186	2.0	82.0	20.1	0.0	50
55	29.1	24.8	20.5	186	2.0	72.0	19.3	0.0	55
60	29.1	24.0	19.5	186	1.9	5C.0	16.7	0.0	60
65	28.8	23.2	19.1	186	1.7	48.0	15.1	0.0	65
70	28.8	22.7	18.7	185	1.6	52.0	11.6	0.0	70
75	27.2	22.2	18.2	185	1.5	32.0	9.6	2.0	75
80	26.0	21.8	18.0	185	1.5	24.0	8.0	2.0	80
85	25.1	21.4	17.5	185	1.4	18.0	7.4	-4.0	85
90	24.7	21.1	17.C	185	1.4	24.0	7.4	2.0	90
95	24.1	20.8	16.7	184	1.4	26.0	6.1	0.0	95
100	24.0	20.5	16.5	184	1.4	18.0	6.0	-16.0	100
125	22.4	19.2	15.2	178	1.4	12.0	5.2	0.8	125
150	21.2	18.0	14.1	176	1.4	8.8	4.8	0.4	150
175	19.9	16.9	12.8	174	1.5	7.6	4.5	0.8	175
200	19.0	15.7	11.5	171	1.4	8.0	4.5	2.0	200
225	18.0	14.7	10.6	154	1.4	6.8	4.2	2.0	225
250	17.3	13.7	10.C	102	1.3	6.0	3.5	1.2	250
275	15.9	12.8	9.4	72	1.2	4.4	3.1	1.6	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17   MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.7	26.7	23.6	131	1.3	0.0	0.0	0.0	0
5	29.5	26.7	23.6	131	1.3	10.0	0.3	-8.0	5
10	29.4	26.6	23.6	131	1.2	8.0	0.2	-4.0	10
15	29.6	26.6	23.5	131	1.3	4.0	0.2	-6.0	15
20	29.7	26.6	23.5	131	1.3	30.0	0.6	-6.0	20
25	29.7	26.5	23.3	129	1.3	48.0	1.2	-4.0	25
30	29.5	26.4	23.1	129	1.3	64.0	2.8	-6.0	30
35	29.0	26.2	22.9	129	1.3	56.0	4.7	-4.0	35
40	28.5	25.8	22.9	129	1.4	60.0	6.5	-2.0	40
45	28.2	25.5	22.1	129	1.4	54.0	6.1	0.0	45
50	28.2	25.2	21.3	129	1.5	6C.0	6.2	0.0	50
55	28.2	24.8	20.7	129	1.7	68.0	7.8	0.0	55
60	28.1	24.6	20.3	129	1.7	50.0	9.6	0.0	60
65	28.1	23.8	19.5	128	1.7	66.0	12.1	0.0	65
70	28.1	23.2	19.0	127	1.7	70.0	11.8	0.0	70
75	28.1	22.7	18.5	127	1.8	34.0	10.9	-20.0	75
80	28.1	22.1	17.7	127	1.8	70.0	11.5	0.0	80
85	28.1	21.6	17.3	127	1.8	44.0	9.4	0.0	85
90	28.1	21.2	17.0	126	1.8	24.0	9.0	0.0	90
95	27.6	20.6	16.9	124	1.7	40.0	8.9	2.0	95
100	27.3	20.3	16.6	124	1.7	24.0	7.0	-2.0	100
125	25.1	18.6	15.1	120	1.7	16.0	6.6	2.0	125
150	22.9	17.4	13.7	90	1.6	10.0	5.2	2.8	150
175	21.6	16.2	12.5	89	1.6	6.8	4.6	2.4	175
200	19.5	15.2	11.9	86	1.4	9.2	4.2	2.0	200
225	18.5	14.4	11.1	81	1.3	7.2	3.7	1.2	225
250	17.2	13.7	10.6	69	1.2	7.2	3.6	2.0	250
275	16.9	13.0	10.4	12	1.6	5.6	3.8	1.2	275

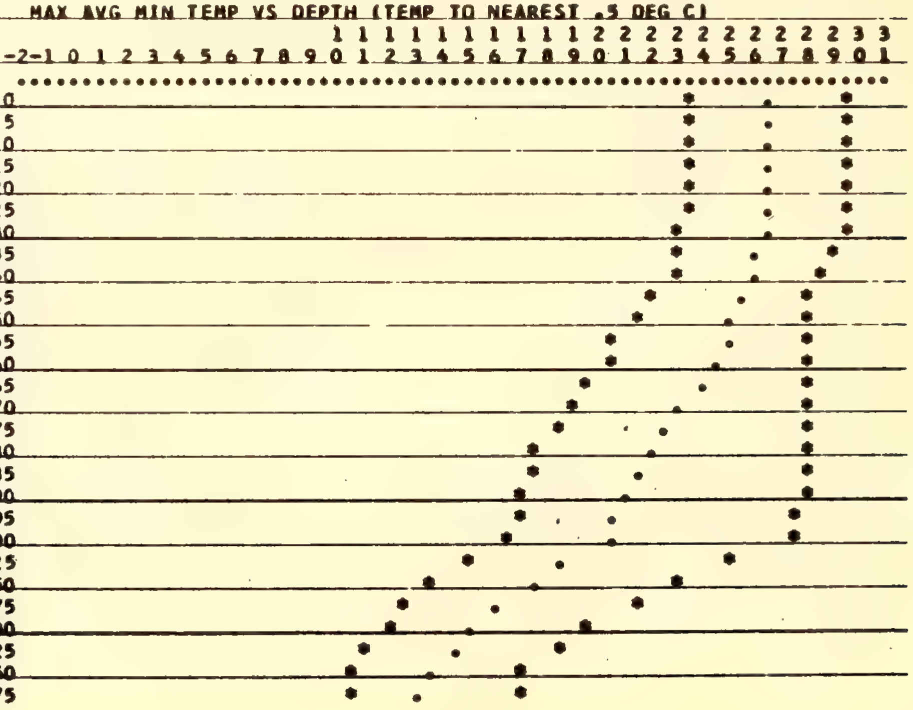


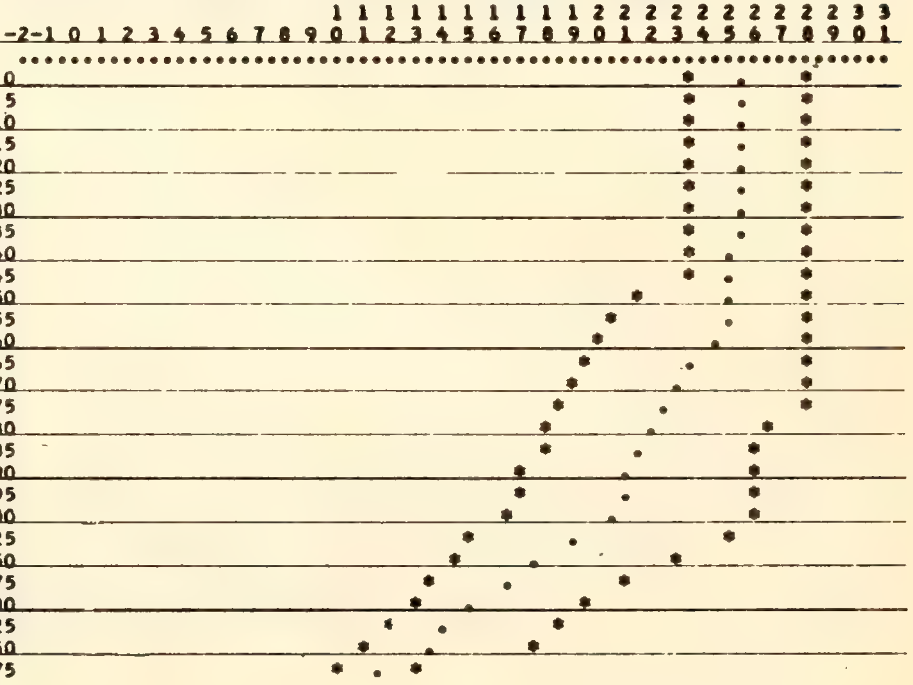
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17 MONTH 11

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	27.8	25.4	23.5	74	0.8	0.0	0.0	0.0	0
5	27.8	25.4	23.4	74	0.8	2.0	0.1	-10.0	5
10	27.8	25.4	23.4	74	0.9	4.0	0.4	0.0	10
15	27.8	25.4	23.4	74	0.9	4.0	0.4	0.0	15
20	27.8	25.3	23.4	74	0.9	4.0	0.5	0.0	20
25	27.8	25.3	23.4	74	0.9	6.0	0.6	0.0	25
30	27.8	25.3	23.4	74	0.9	4.0	0.4	-2.0	30
35	27.8	25.3	23.3	74	0.9	4.0	0.6	0.0	35
40	27.8	25.2	23.3	74	0.9	4.0	0.8	0.0	40
45	27.8	25.2	23.3	74	0.9	6.0	0.9	0.0	45
50	27.8	25.1	21.3	74	1.1	56.0	2.2	0.0	50
55	27.8	24.8	20.4	74	1.5	72.0	6.0	0.0	55
60	27.8	24.3	19.9	74	1.8	50.0	8.5	0.0	60
65	27.8	23.7	19.5	74	2.1	50.0	12.0	0.0	65
70	27.8	23.2	19.0	74	2.3	36.0	11.5	-2.0	70
75	27.8	22.6	18.3	74	2.3	38.0	11.4	0.0	75
80	26.5	22.0	18.0	74	2.3	32.0	11.3	0.0	80
85	26.1	21.6	17.8	74	2.4	34.0	9.3	0.0	85
90	26.1	21.2	17.1	74	2.4	18.0	7.2	0.0	90
95	26.1	20.8	16.9	74	2.4	20.0	7.7	0.0	95
100	26.1	20.5	16.7	74	2.5	24.0	6.9	0.0	100
125	25.1	18.9	15.2	73	2.4	14.0	6.4	2.8	125
150	23.2	17.4	14.5	57	2.1	10.8	5.3	2.8	150
175	20.9	16.3	13.7	55	1.9	10.4	4.6	2.8	175
200	19.6	15.2	12.9	54	1.7	7.2	4.3	1.6	200
225	18.4	14.1	12.0	51	1.6	5.6	3.6	2.4	225
250	17.6	13.4	10.9	41	1.5	6.4	3.7	2.4	250
275	13.2	11.7	10.0	10	0.9	4.8	3.6	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17 MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	25.6	23.3	22.3	38	0.7	0.0	0.0	0.0	0
5	25.6	23.3	22.3	38	0.7	0.0	0.0	0.0	5
10	25.6	23.3	22.3	38	0.7	0.0	0.0	0.0	10
15	25.6	23.3	22.3	38	0.7	0.0	0.0	0.0	15
20	25.6	23.3	22.3	38	0.7	0.0	0.0	0.0	20
25	25.6	23.3	22.3	38	0.7	0.0	0.0	0.0	25
30	25.6	23.3	22.3	38	0.7	0.0	0.0	0.0	30
35	25.6	23.3	22.3	38	0.7	0.0	0.0	0.0	35
40	25.6	23.3	22.3	38	0.7	2.0	0.1	0.0	40
45	25.6	23.3	22.3	38	0.7	2.0	0.1	0.0	45
50	25.6	23.3	22.3	38	0.7	2.0	0.1	0.0	50
55	25.6	23.3	22.3	38	0.7	4.0	0.3	-2.0	55
60	25.6	23.1	20.5	38	1.0	50.0	3.0	0.0	60
65	25.6	23.0	19.8	38	1.1	28.0	2.7	0.0	65
70	25.6	22.4	19.0	38	1.7	50.0	12.3	0.0	70
75	25.6	21.7	18.0	38	2.1	60.0	13.8	0.0	75
80	25.5	21.1	17.8	38	2.1	40.0	11.6	0.0	80
85	25.4	20.5	17.0	38	2.2	40.0	11.4	0.0	85
90	24.7	20.1	16.6	38	2.2	22.0	9.5	0.0	90
95	23.9	19.6	16.2	38	2.1	30.0	9.5	-2.0	95
100	23.5	19.1	15.8	38	2.0	38.0	10.6	0.0	100
125	21.3	17.4	14.1	36	1.9	12.0	7.3	5.2	125
150	20.0	16.1	12.6	34	1.8	7.6	5.2	3.2	150
175	19.1	15.0	12.0	31	1.8	5.6	4.1	2.4	175
200	17.8	14.1	11.3	30	1.8	5.2	3.6	2.0	200
225	17.0	13.2	10.5	30	1.7	5.6	3.7	1.6	225
250	16.2	12.4	10.1	27	1.6	4.8	3.1	1.6	250
275	15.2	11.5	9.5	22	1.6	5.2	2.9	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

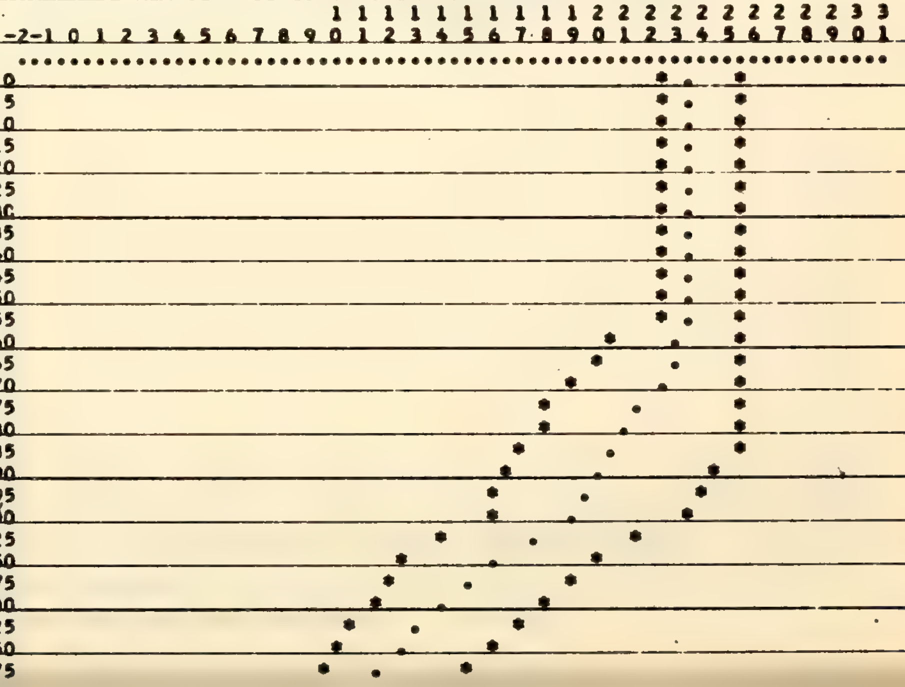
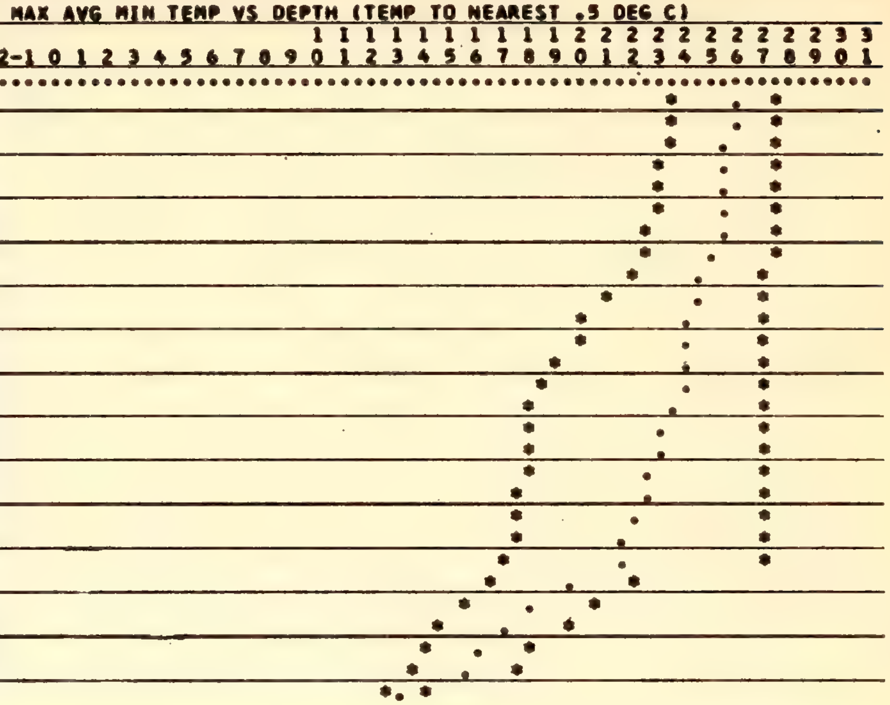


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17A MONTH 1

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	27.7	25.8	23.3	9	1.1	0.0	0.0	0.0	0
5	27.6	25.8	23.3	9	1.1	2.0	0.2	0.0	5
10	27.4	25.7	23.3	9	1.0	8.0	1.8	0.0	10
15	27.3	25.7	23.2	9	1.0	2.0	0.7	0.0	15
20	27.3	25.6	22.9	9	1.1	6.0	0.7	0.0	20
25	27.3	25.6	22.8	9	1.2	10.0	1.6	0.0	25
30	27.3	25.3	22.6	9	1.4	28.0	4.4	0.0	30
35	27.3	24.9	22.3	9	1.8	54.0	8.0	0.0	35
40	27.2	24.7	21.8	9	2.0	16.0	4.0	-2.0	40
45	27.2	24.5	21.0	9	2.2	24.0	5.6	0.0	45
50	27.2	24.2	20.1	9	2.4	18.0	4.9	0.0	50
55	27.2	24.2	19.9	8	2.6	8.0	3.7	0.0	55
60	27.2	23.9	19.1	8	2.7	16.0	6.0	0.0	60
65	27.2	23.8	18.7	8	2.9	10.0	3.2	0.0	65
70	27.2	23.4	18.2	8	3.1	22.0	7.5	0.0	70
75	27.2	23.1	18.0	8	3.3	22.0	6.0	0.0	75
80	27.2	22.9	17.9	8	3.3	12.0	4.5	0.0	80
85	27.2	22.6	17.8	8	3.4	12.0	5.2	0.0	85
90	27.1	22.4	17.7	8	3.3	8.0	4.5	2.0	90
95	27.1	22.1	17.6	8	3.4	10.0	5.0	0.0	95
100	27.2	21.7	17.3	8	3.4	20.0	7.7	-2.0	100
125	27.1	21.5	17.2	8	3.3	20.0	5.2	2.0	125
150	22.2	19.3	16.5	7	2.5	8.0	5.5	2.8	150
175	20.6	18.0	15.5	7	2.0	8.0	5.1	2.0	175
200	19.4	16.9	14.6	7	1.9	6.0	4.3	1.2	200
225	18.1	16.0	14.2	7	1.7	7.2	3.6	1.2	225
250	17.5	15.4	13.4	6	1.6	6.0	3.3	2.0	250
275	13.8	13.2	12.4	4	0.6	9.2	5.1	3.6	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17A MONTH 2

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	26.8	25.5	23.2	86	0.7	0.0	0.0	0.0	0
5	26.8	25.5	23.2	86	0.7	6.0	0.3	-4.0	5
10	26.8	25.4	22.8	86	0.7	12.0	0.6	-2.0	10
15	26.8	25.4	22.7	86	0.7	4.0	0.6	0.0	15
20	26.8	25.4	22.6	86	0.8	20.0	0.9	0.0	20
25	26.8	25.3	22.3	86	0.9	26.0	1.1	0.0	25
30	26.8	25.3	21.2	86	1.0	24.0	1.2	0.0	30
35	26.8	25.2	21.0	86	1.0	12.0	1.0	-10.0	35
40	26.8	25.1	20.9	86	1.1	14.0	1.3	0.0	40
45	26.8	25.1	20.7	86	1.2	12.0	1.0	0.0	45
50	26.8	25.0	20.6	86	1.3	20.0	1.0	0.0	50
55	26.7	25.0	20.6	86	1.3	12.0	1.2	0.0	55
60	26.6	24.9	20.1	86	1.4	30.0	1.6	0.0	60
65	26.6	24.8	19.2	86	1.5	18.0	1.2	0.0	65
70	26.6	24.8	18.8	86	1.5	12.0	1.1	0.0	70
75	26.6	24.7	18.5	85	1.6	14.0	1.2	0.0	75
80	26.6	24.6	18.4	85	1.6	16.0	1.3	0.0	80
85	26.6	24.6	18.1	85	1.7	12.0	1.1	0.0	85
90	26.6	24.5	17.8	85	1.8	22.0	1.3	0.0	90
95	26.4	24.4	17.8	85	1.8	22.0	2.1	0.0	95
100	26.2	24.3	17.8	85	1.9	28.0	2.4	0.0	100
125	26.2	24.2	17.8	85	2.0	20.0	2.1	-2.0	125
150	26.1	23.6	14.8	82	2.5	26.8	2.8	-1.2	150
175	25.7	22.5	13.6	82	2.9	18.0	4.6	-0.4	175
200	24.4	21.0	14.5	81	2.5	12.4	6.2	0.0	200
225	22.5	19.6	13.9	79	2.2	9.2	5.8	0.4	225
250	21.3	18.5	13.2	71	2.1	10.8	4.9	1.6	250
275	20.1	17.6	12.2	55	1.8	6.4	4.0	2.0	275

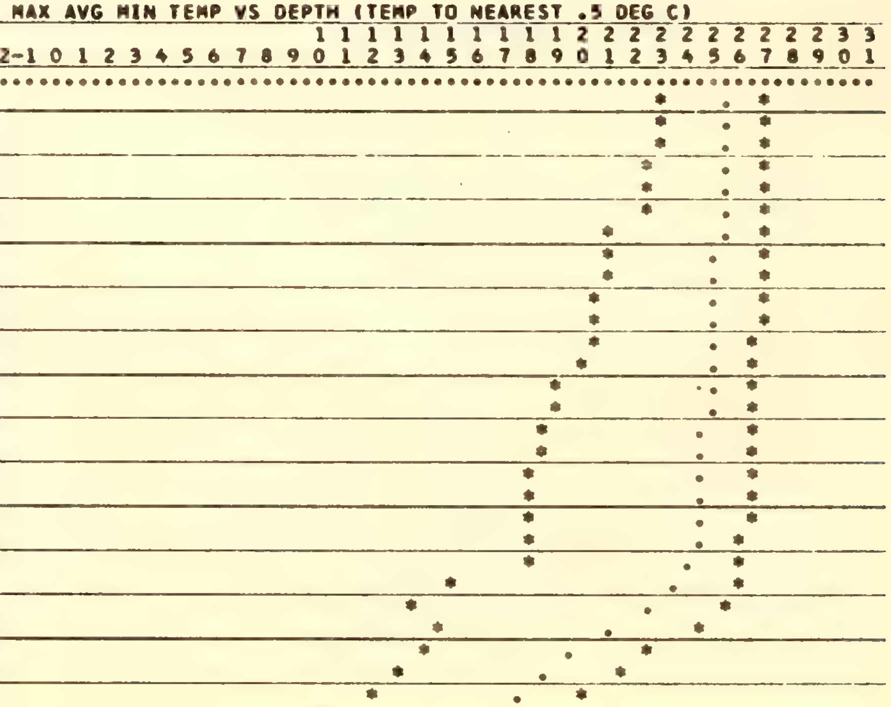


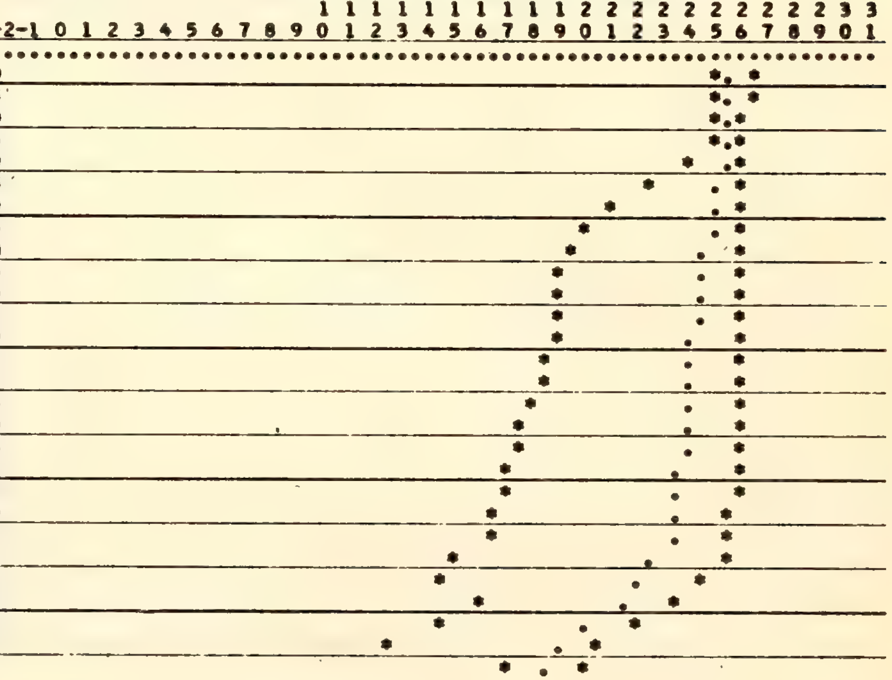
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17A MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.5	25.6	25.1	29	0.4	0.0	0.0	0.0	0
5	26.4	25.6	25.1	29	0.3	4.0	0.7	-2.0	5
10	26.2	25.5	25.1	29	0.3	4.0	1.0	0.0	10
15	26.1	25.5	24.8	29	0.3	6.0	0.6	-2.0	15
20	26.1	25.4	23.9	29	0.5	30.0	2.4	0.0	20
25	26.1	25.2	22.5	29	0.7	30.0	2.8	0.0	25
30	26.2	25.0	21.1	29	1.0	28.0	4.1	-2.0	30
35	26.2	24.8	19.9	29	1.3	32.0	4.8	0.0	35
40	26.2	24.6	19.6	29	1.5	32.0	3.9	-6.0	40
45	26.2	24.4	19.2	29	1.8	36.0	3.8	-2.0	45
50	26.1	24.4	19.2	28	1.7	20.0	3.0	0.0	50
55	26.0	24.3	19.0	28	1.9	20.0	2.9	0.0	55
60	26.0	24.1	18.8	28	2.1	22.0	3.1	-2.0	60
65	26.0	24.2	18.6	27	2.1	28.0	2.5	0.0	65
70	26.0	24.1	18.3	27	2.3	16.0	1.7	-2.0	70
75	25.9	24.0	18.1	27	2.4	12.0	2.0	0.0	75
80	25.9	23.9	17.7	27	2.5	14.0	2.4	0.0	80
85	25.9	23.8	17.3	27	2.7	22.0	2.3	0.0	85
90	25.9	23.7	17.1	27	2.8	18.0	1.8	0.0	90
95	25.8	23.6	17.0	26	2.9	8.0	1.3	0.0	95
100	25.7	23.5	16.7	26	3.0	10.0	1.8	0.0	100
125	25.7	23.4	16.5	26	3.0	10.0	1.5	0.0	125
150	25.5	22.7	15.1	24	3.4	12.0	2.5	0.0	150
175	24.5	21.9	14.6	17	3.2	8.0	3.6	0.0	175
200	23.4	21.5	16.2	15	1.8	8.0	5.3	4.0	200
225	21.8	20.2	14.7	15	1.8	7.2	5.1	2.8	225
250	20.6	19.1	12.7	15	1.9	8.0	4.6	2.4	250
275	19.9	18.6	17.0	13	0.7	5.2	3.5	2.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17A MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.4	25.9	25.0	47	0.5	0.0	0.0	0.0	0
5	28.4	25.9	24.9	47	0.5	8.0	1.1	-2.0	5
10	28.4	25.8	24.7	47	0.5	6.0	0.7	0.0	10
15	28.4	25.8	24.3	47	0.5	8.0	1.1	-2.0	15
20	28.4	25.6	23.3	47	0.7	26.0	2.3	0.0	20
25	28.4	25.4	20.6	47	1.2	80.0	4.9	-2.0	25
30	28.4	25.2	19.4	47	1.4	34.0	3.3	-2.0	30
35	28.3	25.1	18.4	47	1.7	42.0	3.7	0.0	35
40	28.3	24.9	17.6	47	1.9	66.0	3.8	0.0	40
45	28.2	24.6	16.8	47	2.3	90.0	4.4	0.0	45
50	28.1	24.5	16.4	47	2.5	40.0	3.8	0.0	50
55	28.0	24.3	15.8	47	2.7	2C.0	3.1	-2.0	55
60	27.9	24.2	15.6	47	2.9	22.0	2.6	0.0	60
65	27.8	24.1	15.4	46	3.0	20.0	2.7	-2.0	65
70	27.6	24.0	15.2	46	3.0	12.0	1.8	0.0	70
75	27.2	23.9	15.1	45	3.1	20.0	2.4	0.0	75
80	27.0	23.8	14.9	45	3.2	20.0	2.1	0.0	80
85	26.9	23.6	14.7	45	3.3	16.0	3.4	0.0	85
90	26.8	23.4	14.4	45	3.3	30.0	3.6	0.0	90
95	26.7	23.3	14.3	45	3.4	14.0	2.7	0.0	95
100	26.5	23.2	14.2	45	3.5	16.0	2.4	0.0	100
125	26.3	23.1	14.1	45	3.6	14.0	2.3	0.0	125
150	25.5	21.9	12.9	40	4.0	15.2	3.8	0.0	150
175	25.1	20.4	12.5	31	4.2	11.2	4.4	0.0	175
200	24.3	20.2	12.5	27	3.2	8.8	5.3	2.4	200
225	22.5	18.9	11.7	26	2.9	8.4	5.1	0.8	225
250	21.1	17.8	10.9	19	2.7	9.2	5.6	2.4	250
275	20.2	17.7	14.2	13	1.3	6.8	4.6	3.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

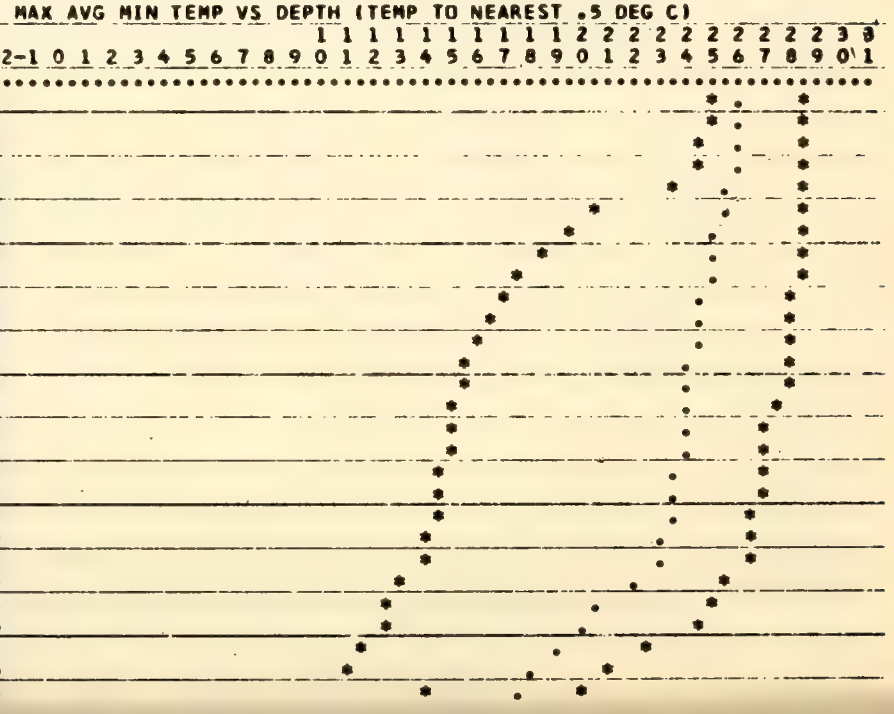
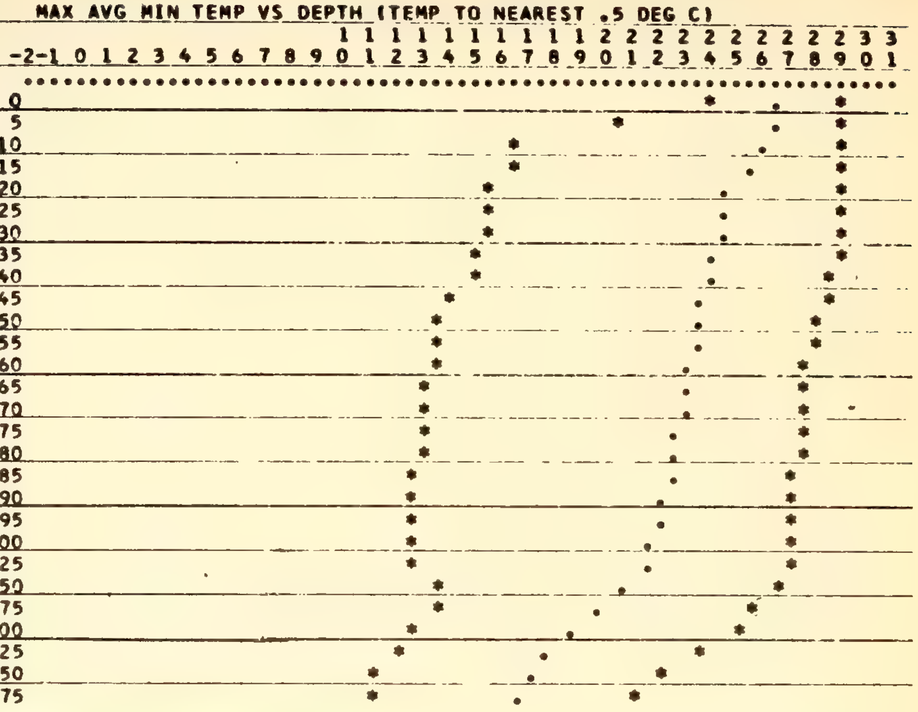


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17A MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	29.0	26.7	23.8	215	1.0	0.0	0.0	0.0	0
5	29.0	26.5	20.6	215	1.3	130.0	4.1	-6.0	5
10	29.0	26.0	16.7	215	2.3	156.0	10.1	-6.0	10
15	29.0	25.3	16.3	215	3.0	126.0	13.5	-4.0	15
20	29.0	24.7	15.4	215	3.4	104.0	12.6	-2.0	20
25	29.0	24.7	15.4	202	3.3	122.0	10.5	-6.0	25
30	29.0	24.3	15.3	201	3.6	86.0	9.4	-2.0	30
35	28.9	23.8	15.0	201	3.9	146.0	8.8	-2.0	35
40	28.6	23.8	15.0	189	3.9	88.0	8.4	-2.0	40
45	28.5	23.6	14.2	183	4.1	96.0	7.2	-2.0	45
50	28.0	23.5	13.6	179	4.1	44.0	5.9	0.0	50
55	27.8	23.3	13.4	177	4.2	38.0	5.3	-4.0	55
60	27.7	23.1	13.3	176	4.2	38.0	4.9	0.0	60
65	27.6	23.2	12.9	167	4.1	26.0	5.0	0.0	65
70	27.6	23.0	12.8	166	4.1	30.0	5.5	0.0	70
75	27.6	22.7	12.8	166	4.2	28.0	4.6	0.0	75
80	27.5	22.5	12.8	165	4.2	30.0	4.8	0.0	80
85	27.2	22.3	12.7	165	4.2	36.0	4.8	-6.0	85
90	27.1	22.1	12.7	164	4.3	26.0	4.6	-2.0	90
95	27.1	21.9	12.7	162	4.2	32.0	4.6	-2.0	95
100	27.1	21.7	12.7	162	4.3	34.0	4.6	0.0	100
125	27.1	21.5	12.7	159	4.3	30.0	5.1	0.0	125
150	26.6	20.4	13.5	154	4.3	16.8	5.0	0.0	150
175	25.7	19.6	13.3	136	4.0	14.0	4.9	0.0	175
200	25.0	18.6	12.7	132	3.7	12.4	4.6	0.0	200
225	23.4	17.7	12.2	121	3.2	11.6	4.8	0.8	225
250	21.8	16.9	11.2	99	2.8	11.2	4.3	0.0	250
275	21.0	16.3	10.9	71	2.6	9.6	3.9	0.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17A MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	29.2	27.9	26.3	81	0.5	0.0	0.0	0.0	0
5	29.2	27.8	26.1	81	0.5	36.0	1.2	-2.0	5
10	29.2	27.7	24.9	81	0.7	28.0	2.4	-2.0	10
15	29.2	27.3	19.2	81	1.6	114.0	7.8	-2.0	15
20	29.2	27.0	17.9	81	2.1	100.0	6.1	-2.0	20
25	29.2	26.7	17.9	81	2.5	114.0	7.2	-2.0	25
30	29.1	26.3	17.2	81	2.9	78.0	7.1	-4.0	30
35	29.0	26.1	16.2	80	3.0	54.0	6.8	0.0	35
40	28.9	25.8	15.7	79	3.2	48.0	6.5	0.0	40
45	28.7	25.6	15.5	78	3.3	48.0	6.5	0.0	45
50	28.3	25.3	15.1	78	3.4	32.0	5.3	0.0	50
55	28.0	25.1	15.0	78	3.5	32.0	5.1	0.0	55
60	27.8	24.8	14.9	78	3.5	30.0	4.7	0.0	60
65	27.7	24.8	15.3	75	3.4	36.0	4.1	0.0	65
70	27.6	24.6	15.1	75	3.5	32.0	4.5	0.0	70
75	27.4	24.3	15.0	75	3.6	20.0	4.8	0.0	75
80	27.4	24.1	15.0	75	3.6	36.0	3.7	0.0	80
85	27.3	23.9	14.7	75	3.6	32.0	5.3	0.0	85
90	27.3	23.6	14.6	75	3.7	22.0	4.8	0.0	90
95	27.2	23.4	14.5	75	3.7	16.0	4.2	0.0	95
100	27.1	23.3	14.3	74	3.6	30.0	5.6	0.0	100
125	26.9	23.0	14.3	74	3.7	28.0	5.4	0.0	125
150	26.1	21.5	13.9	68	3.9	14.4	5.3	0.4	150
175	25.6	19.8	13.6	60	3.7	12.4	5.3	0.0	175
200	24.8	18.6	12.9	58	3.3	11.6	5.6	0.4	200
225	23.0	17.6	12.3	51	2.9	10.0	4.9	0.4	225
250	21.2	16.9	12.1	45	2.4	8.4	4.2	0.8	250
275	19.4	16.1	11.7	30	2.4	7.2	3.5	0.0	275

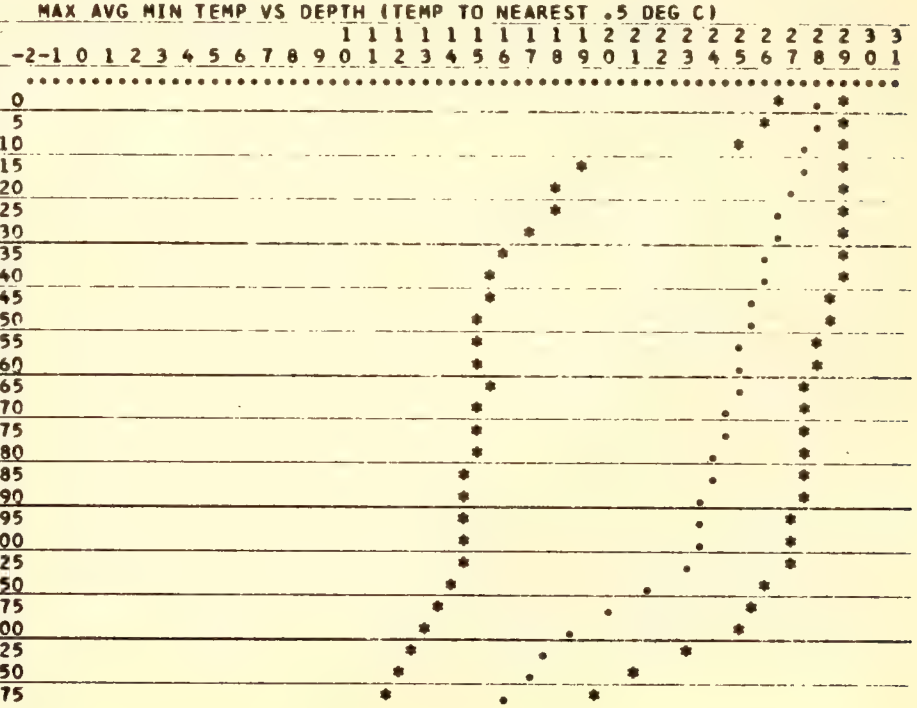


Table VI-1.—Continued

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                         NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 17A   MONTH   7
                                                                   MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
DEPTH                                               GRADIENT
METERS MAX    AVG    MIN    NUM   SDEV        MAX    AVG    MIN
     0 29.0   28.2   27.8     8    0.4        0.0    0.0    0.0    0
     5 29.0   28.2   27.8     8    0.4        2.0    0.5    0.0    5
    10 29.0   28.1   27.8     8    0.4        2.0    0.5    0.0   10
    15 29.1   28.1   27.8     8    0.4        6.0    1.0   -2.0   15
    20 29.1   28.0   27.8     8    0.4        2.0    0.7    0.0   20
    25 29.1   27.8   27.5     8    0.5       12.0    4.0    0.0   25
    30 29.1   27.7   27.1     8    0.5        8.0    2.2    0.0   30
    35 29.1   27.5   25.5     8    0.9       32.0    5.2    0.0   35
    40 28.7   27.2   24.8     8    1.1       14.0    4.7    2.0   40
    45 27.6   26.7   24.6     8    0.9       48.0    9.7    2.0   45
    50 27.5   26.3   24.0     8    1.3       46.0    8.7    2.0   50
    55 27.4   25.9   21.7     6    1.9       46.0    8.2    2.0   55
    60 27.0   26.2   23.3     7    1.3       20.0    6.3    0.0   60
    65 26.8   25.7   21.5     7    1.8       36.0    9.1    2.0   65
    70 26.7   25.5   20.7     7    2.1       16.0    4.9    2.0   70
    75 26.6   25.3   20.2     7    2.2       10.0    3.7    2.0   75
    80 26.4   25.1   20.1     7    2.2        8.0    3.1    2.0   80
    85 26.3   25.0   20.0     7    2.2       12.0    3.4    2.0   85
    90 26.3   24.7   19.5     7    2.4       18.0    5.1    0.0   90
    95 26.2   24.5   19.3     7    2.4       14.0    4.3    2.0   95
   100 26.0   24.3   19.1     7    2.5        8.0    3.7    2.0  100
   125 25.9   24.2   18.9     7    2.5        4.0    2.6    0.0  125
   150 25.3   23.3   17.0     7    3.1        7.6    3.4    1.2  150
   175 25.0   22.2   16.0     6    3.5        6.0    3.3    1.2  175
   200 23.5   20.5   15.0     5    3.6        7.2    5.6    4.0  200
   225 22.3   19.2   14.3     5    3.3        6.4    5.0    2.8  225
   250 20.5   20.5   20.5     1    0.0        4.0    4.0    4.0  250
   275 19.7   19.7   19.7     1    0.0        3.2    3.2    3.2  275
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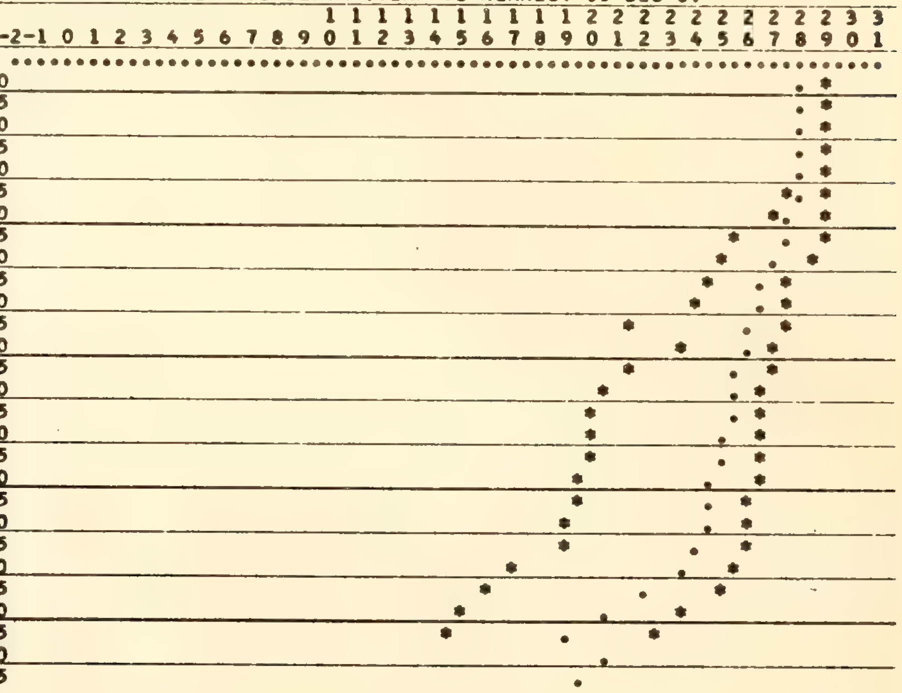

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                         NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 17A   MONTH   8
                                                                   MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
DEPTH                                               GRADIENT
METERS MAX    AVG    MIN    NUM   SDEV        MAX    AVG    MIN
     0 30.9   29.2   27.2    68    0.6        0.0    0.0    0.0    0
     5 30.9   29.1   27.2    68    0.6       12.0    1.5   -4.0    5
    10 30.7   28.9   23.9    68    0.9       70.0    3.5   -2.0   10
    15 30.1   28.7   20.7    68    1.3       64.0    3.6   -4.0   15
    20 30.1   28.4   18.7    68    1.7       76.0    5.8   -2.0   20
    25 29.9   28.1   18.6    68    2.2      124.0    7.0    0.0   25
    30 29.9   27.7   18.4    68    2.6       64.0    7.3    0.0   30
    35 29.9   27.4   18.4    68    3.0       76.0    7.3    0.0   35
    40 29.8   27.1   17.5    67    3.1       42.0    8.4    0.0   40
    45 29.3   26.7   16.2    67    3.4       40.0    7.9    0.0   45
    50 29.2   26.3   16.1    67    3.4       38.0    6.7    0.0   50
    55 28.9   26.0   15.8    67    3.6       52.0    7.7    0.0   55
    60 28.4   25.6   15.5    67    3.6       28.0    6.7  -10.0   60
    65 28.3   25.3   15.1    67    3.7       32.0    7.1    0.0   65
    70 28.2   25.0   15.0    67    3.7       28.0    4.7    0.0   70
    75 28.1   24.7   14.9    67    3.8       24.0    5.7    0.0   75
    80 28.0   24.5   14.9    67    3.8       22.0    4.9    0.0   80
    85 27.9   24.2   14.9    67    3.9       36.0    5.6    0.0   85
    90 27.7   24.0   14.9    67    4.0       26.0    4.8    0.0   90
    95 27.4   23.7   14.9    67    4.0       28.0    5.1   -2.0   95
   100 27.3   23.5   14.7    67    4.0       16.0    4.9    0.0  100
   125 27.2   23.3   14.2    67    4.1       20.0    4.2   -4.0  125
   150 26.6   22.6   13.3    64    3.9       11.2    4.2    0.8  150
   175 25.9   21.3   12.4    62    4.0       14.4    4.8    0.8  175
   200 25.0   20.1   11.9    61    3.8       10.8    5.3    1.6  200
   225 24.3   18.6   11.7    60    3.4       10.8    5.6    0.8  225
   250 22.7   17.5   10.7    54    3.3        8.0    4.5    1.6  250
   275 21.8   16.7   10.4    47    3.1        6.8    4.2    1.6  275
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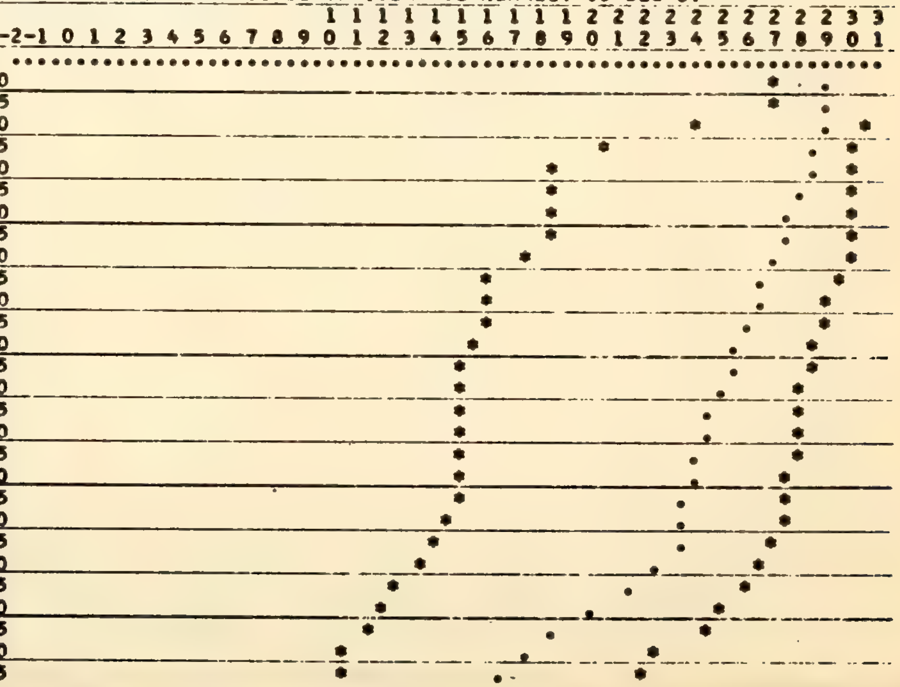


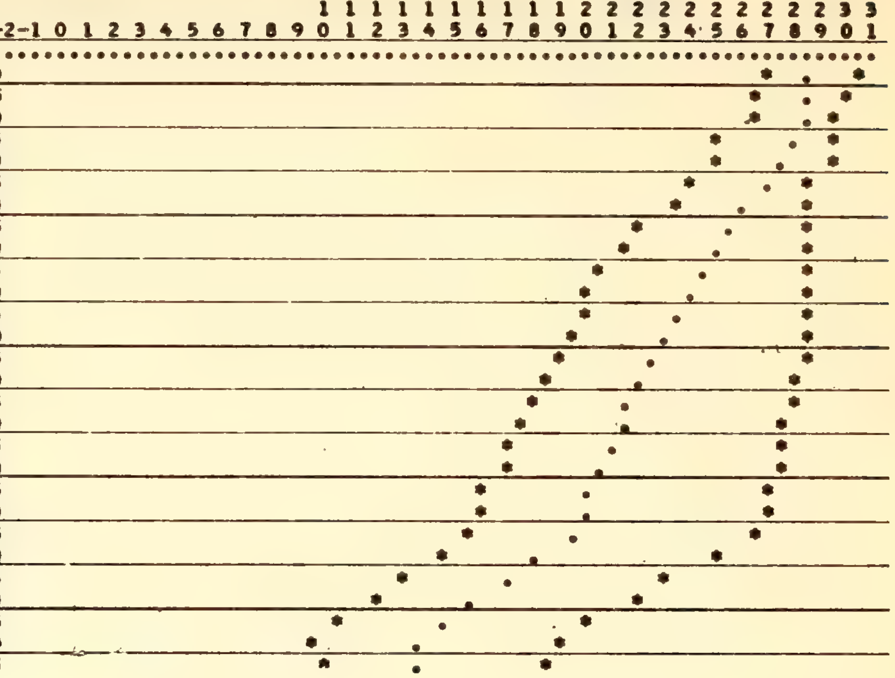
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17A MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.3	28.7	26.8	37	0.8	0.0	0.0	0.0	0
5	29.9	28.6	26.7	37	0.8	14.0	2.7	-2.0	5
10	29.4	28.4	26.6	37	0.8	28.0	3.4	-4.0	10
15	29.4	28.1	24.8	37	1.0	46.0	6.5	-2.0	15
20	29.3	27.6	24.9	36	1.1	40.0	10.7	-2.0	20
25	28.7	26.9	24.0	36	1.3	42.0	15.4	0.0	25
30	28.6	26.1	23.3	36	1.6	42.0	15.7	0.0	30
35	28.6	25.4	22.0	36	1.8	36.0	13.2	0.0	35
40	28.6	24.8	21.3	35	2.0	76.0	13.1	0.0	40
45	28.6	24.3	20.6	35	2.3	38.0	10.9	0.0	45
50	28.6	23.8	20.2	35	2.4	26.0	8.9	0.0	50
55	28.5	23.4	20.0	35	2.5	30.0	8.1	0.0	55
60	28.5	22.9	19.6	35	2.7	36.0	9.7	0.0	60
65	28.3	22.5	19.0	35	2.9	28.0	9.1	0.0	65
70	28.1	22.1	18.5	34	3.0	18.0	7.5	0.0	70
75	27.9	21.7	18.1	34	3.1	20.0	7.4	0.0	75
80	27.7	21.4	17.5	34	3.2	14.0	6.7	0.0	80
85	27.5	21.0	17.1	34	3.2	18.0	6.6	0.0	85
90	27.4	20.6	16.8	34	3.2	38.0	7.6	0.0	90
95	27.2	20.2	16.0	34	3.2	20.0	8.3	0.0	95
100	26.8	19.9	15.9	34	3.2	14.0	6.2	0.0	100
125	26.5	19.6	15.7	34	3.3	18.0	6.4	0.0	125
150	24.8	18.1	14.4	32	3.1	12.0	6.7	2.8	150
175	23.1	16.8	13.2	30	3.1	9.2	5.6	3.2	175
200	21.8	15.5	12.0	29	2.9	8.4	5.2	1.2	200
225	20.1	14.4	10.7	29	2.9	6.8	4.1	0.4	225
250	19.0	13.4	9.7	26	2.9	7.6	3.7	0.4	250
275	18.4	13.4	9.8	12	3.2	4.0	3.1	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17A MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.4	27.6	26.1	131	0.7	0.0	0.0	0.0	0
5	29.3	27.5	26.1	131	0.7	4.0	0.1	-2.0	5
10	29.3	27.5	26.1	131	0.7	6.0	0.2	-4.0	10
15	29.3	27.5	26.1	131	0.8	10.0	0.6	-2.0	15
20	29.2	27.5	26.1	131	0.8	18.0	0.8	-2.0	20
25	29.2	27.4	25.9	131	0.8	16.0	0.8	-4.0	25
30	29.2	27.3	25.6	131	0.9	22.0	1.7	-2.0	30
35	29.2	27.2	23.2	131	1.0	48.0	2.3	-2.0	35
40	29.2	27.1	21.1	131	1.2	42.0	2.7	-6.0	40
45	29.2	27.0	23.4	130	1.2	32.0	3.2	-2.0	45
50	29.2	26.8	22.9	129	1.3	32.0	3.2	0.0	50
55	29.1	26.7	22.3	128	1.5	26.0	2.9	-2.0	55
60	29.0	26.5	22.1	128	1.6	24.0	4.1	-2.0	60
65	28.9	26.3	22.3	125	1.7	32.0	5.5	-4.0	65
70	28.8	26.0	21.6	124	1.8	30.0	5.8	0.0	70
75	28.7	25.7	20.7	123	2.0	36.0	6.6	0.0	75
80	28.4	25.4	20.0	123	2.1	32.0	5.6	0.0	80
85	28.3	25.1	19.1	122	2.2	36.0	5.7	-2.0	85
90	28.2	24.8	18.6	122	2.3	28.0	5.1	-2.0	90
95	28.2	24.6	17.6	121	2.4	20.0	5.2	0.0	95
100	28.1	24.3	17.6	121	2.5	22.0	5.6	0.0	100
125	27.9	24.1	17.4	121	2.5	20.0	4.8	0.0	125
150	27.3	22.7	16.7	120	2.7	14.8	5.7	1.6	150
175	26.7	21.2	15.0	119	2.6	14.4	5.8	1.6	175
200	25.7	19.8	13.3	119	2.5	15.6	5.7	1.2	200
225	24.1	18.6	15.4	109	2.3	12.0	5.7	0.4	225
250	22.3	17.5	14.4	104	2.1	10.0	4.6	0.8	250
275	20.5	16.4	13.0	94	1.9	8.8	3.8	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

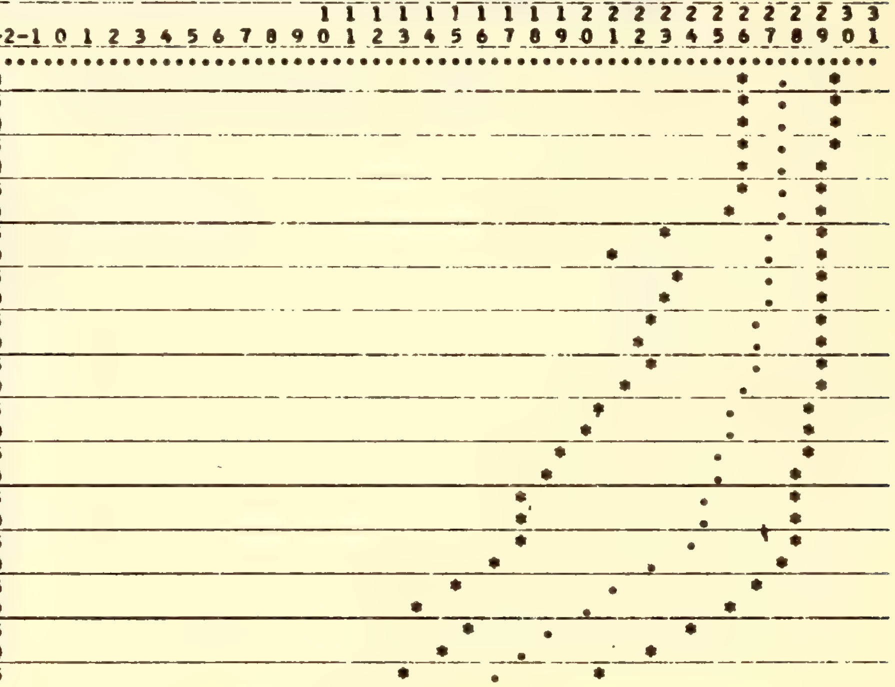


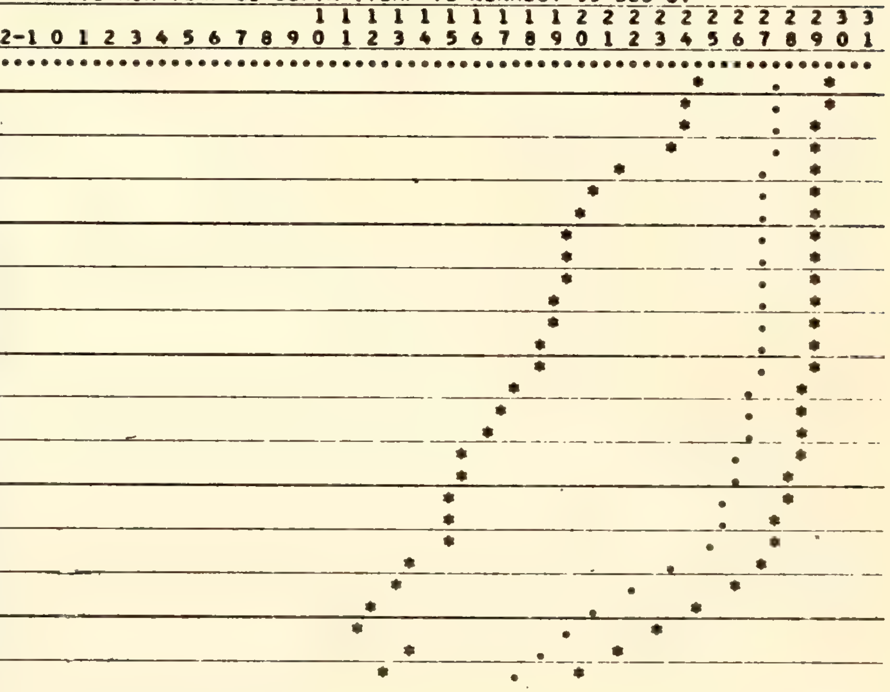
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17A MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.6	27.6	24.3	110	0.7	0.0	0.0	0.0	0
5	29.4	27.6	24.2	110	0.7	10.0	0.6	-2.0	5
10	29.2	27.5	24.1	110	0.7	26.0	1.2	0.0	10
15	29.1	27.4	23.3	110	0.8	30.0	2.2	0.0	15
20	29.0	27.2	21.4	110	1.1	38.0	3.3	-2.0	20
25	29.0	27.0	20.3	110	1.3	38.0	4.5	-2.0	25
30	28.9	26.8	20.1	110	1.5	32.0	4.3	-2.0	30
35	28.9	27.1	19.7	91	1.4	18.0	1.0	0.0	35
40	28.9	27.1	19.6	91	1.5	26.0	1.1	0.0	40
45	28.9	27.1	19.4	89	1.5	12.0	1.0	-2.0	45
50	28.9	27.1	19.2	89	1.6	10.0	0.8	0.0	50
55	28.8	27.1	19.0	88	1.6	22.0	1.6	-2.0	55
60	28.8	27.0	18.7	87	1.7	26.0	1.9	-2.0	60
65	28.8	26.8	18.4	87	1.8	22.0	2.5	0.0	65
70	28.6	26.7	17.4	87	2.0	28.0	3.4	0.0	70
75	28.6	26.5	17.1	87	2.1	54.0	3.9	0.0	75
80	28.4	26.3	16.7	87	2.3	34.0	4.1	-2.0	80
85	28.4	26.1	15.7	87	2.4	20.0	3.8	0.0	85
90	27.9	25.9	15.5	85	2.5	24.0	4.3	0.0	90
95	27.8	25.6	15.2	85	2.6	40.0	4.5	0.0	95
100	27.7	25.4	15.0	85	2.7	30.0	4.4	0.0	100
125	27.7	25.1	14.8	85	2.7	20.0	5.2	0.0	125
150	26.8	23.7	13.5	84	2.8	18.4	5.8	0.0	150
175	25.9	22.0	12.8	83	2.9	16.8	6.3	0.0	175
200	24.4	20.6	12.1	82	2.8	16.8	6.0	2.4	200
225	23.0	19.4	11.4	80	2.5	9.6	5.5	1.2	225
250	21.3	18.4	13.3	75	2.1	13.6	4.5	0.8	250
275	20.2	17.4	12.5	61	2.2	6.8	3.6	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 17A MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.5	25.8	25.6	6	0.3	0.0	0.0	0.0	0
5	26.4	25.7	25.5	6	0.3	2.0	0.7	0.0	5
10	26.4	25.7	25.4	6	0.3	2.0	0.3	0.0	10
15	26.3	25.7	25.4	6	0.3	2.0	0.7	0.0	15
20	26.2	25.6	25.4	6	0.2	2.0	0.7	0.0	20
25	26.0	25.6	25.4	6	0.2	4.0	1.3	0.0	25
30	25.6	25.4	25.0	6	0.2	20.0	3.3	0.0	30
35	25.6	25.3	24.5	6	0.4	10.0	2.0	0.0	35
40	25.6	25.2	23.7	6	0.7	16.0	3.0	0.0	40
45	25.6	25.0	23.3	6	0.8	8.0	2.7	0.0	45
50	25.6	24.9	23.0	6	1.0	10.0	3.0	0.0	50
55	25.3	24.2	22.6	6	1.1	28.0	14.0	4.0	55
60	24.9	23.4	22.0	6	1.1	24.0	15.3	8.0	60
65	23.7	22.6	21.5	6	0.8	28.0	17.0	10.0	65
70	23.2	21.9	21.1	6	0.7	22.0	13.7	4.0	70
75	22.6	21.2	20.4	6	0.9	26.0	13.7	6.0	75
80	22.0	20.8	20.0	6	0.8	12.0	7.7	2.0	80
85	21.7	20.6	19.9	6	0.7	8.0	5.0	2.0	85
90	21.5	20.3	19.6	6	0.7	8.0	6.0	4.0	90
95	21.1	20.0	19.3	6	0.7	8.0	6.0	2.0	95
100	20.5	19.6	19.1	6	0.5	12.0	6.7	2.0	100
125	20.1	19.4	18.8	6	0.4	8.0	5.3	2.0	125
150	18.8	17.9	17.1	6	0.6	9.6	6.0	4.4	150
175	16.6	16.1	15.7	4	0.3	7.2	5.6	4.4	175
200	15.1	14.8	14.2	4	0.4	6.8	5.5	4.4	200
225	14.4	13.6	13.1	4	0.5	7.2	4.7	2.8	225
250	13.9	12.5	11.7	4	0.9	5.6	4.2	2.0	250
275	13.0	12.1	11.6	3	0.7	3.6	2.9	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

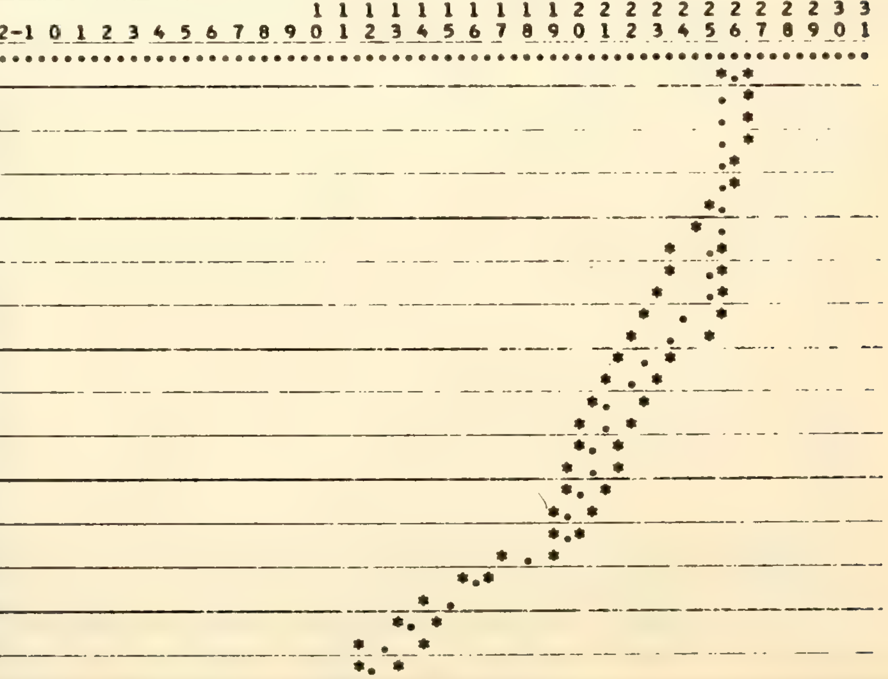
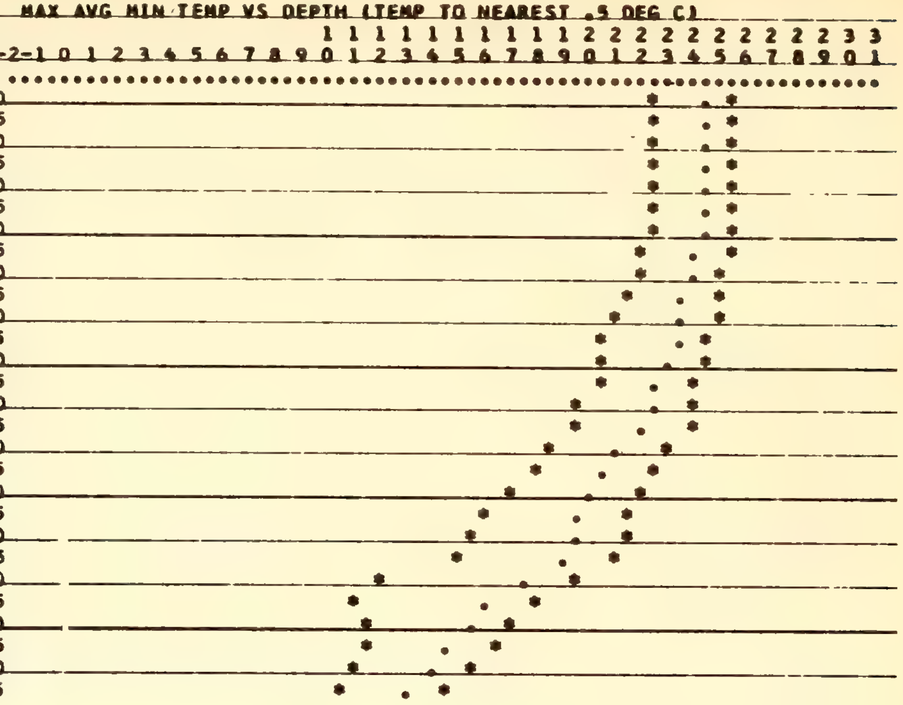


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18 MONTH 2

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	25.7	24.6	22.4	91	0.8	0.0	0.0	0.0	0
5	25.6	24.6	22.4	91	0.8	6.0	0.4	-2.0	5
10	25.6	24.6	22.4	91	0.8	14.0	0.5	-2.0	10
15	25.4	24.5	22.4	91	0.8	8.0	0.5	-2.0	15
20	25.4	24.5	22.4	91	0.8	8.0	0.7	-2.0	20
25	25.4	24.4	22.4	91	0.8	12.0	1.5	0.0	25
30	25.3	24.3	22.3	91	0.7	14.0	2.7	-2.0	30
35	25.3	24.1	22.1	91	0.7	22.0	3.4	0.0	35
40	25.2	23.9	21.8	91	0.7	20.0	4.5	-2.0	40
45	25.0	23.7	21.3	91	0.7	18.0	4.5	0.0	45
50	24.8	23.5	20.9	91	0.7	16.0	3.9	-2.0	50
55	24.4	23.3	20.7	88	0.7	12.0	3.9	-2.0	55
60	24.3	23.1	20.6	88	0.7	18.0	5.0	-2.0	60
65	24.2	22.7	20.3	87	0.8	22.0	6.3	0.0	65
70	24.1	22.3	19.6	87	0.9	34.0	8.3	0.0	70
75	23.8	21.8	19.3	87	1.0	30.0	10.0	0.0	75
80	22.9	21.2	18.4	87	1.0	32.0	12.3	0.0	80
85	22.6	20.6	17.8	87	1.1	64.0	12.1	2.0	85
90	22.1	20.2	16.9	87	1.1	22.0	9.1	-62.0	90
95	21.7	19.7	16.1	87	1.1	26.0	9.2	0.0	95
100	21.3	19.3	15.6	87	1.1	18.0	8.2	2.0	100
125	20.9	18.9	14.9	87	1.1	22.0	7.6	2.0	125
150	19.7	17.3	12.0	79	1.2	14.0	6.6	2.4	150
175	17.8	16.1	11.2	69	1.2	7.2	4.8	1.6	175
200	17.2	15.3	11.5	66	0.9	5.6	3.6	1.2	200
225	16.3	14.5	11.6	60	0.8	4.8	3.5	0.8	225
250	15.4	13.8	11.1	57	0.7	4.8	3.0	0.8	250
275	14.4	13.1	10.7	38	0.7	5.6	3.0	1.6	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18 MONTH 3

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	26.1	24.5	23.0	87	0.6	0.0	0.0	0.0	0
5	25.5	24.4	23.0	87	0.6	18.0	1.7	-10.0	5
10	25.5	24.3	22.3	87	0.6	16.0	2.9	0.0	10
15	25.5	24.1	22.0	87	0.7	16.0	3.1	-2.0	15
20	25.5	24.0	21.9	87	0.7	8.0	2.5	0.0	20
25	25.5	23.9	21.8	87	0.8	14.0	1.7	0.0	25
30	25.5	23.8	21.7	87	0.8	18.0	3.1	0.0	30
35	25.2	23.6	21.6	87	0.7	18.0	3.3	0.0	35
40	24.8	23.4	21.5	87	0.6	14.0	3.7	0.0	40
45	24.4	23.2	21.4	87	0.6	16.0	4.2	0.0	45
50	24.4	23.0	21.4	87	0.5	12.0	3.5	-4.0	50
55	24.3	22.8	21.4	87	0.5	16.0	3.9	0.0	55
60	23.8	22.6	21.2	87	0.5	28.0	5.7	0.0	60
65	23.8	22.2	20.1	86	0.7	22.0	6.5	0.0	65
70	23.5	21.9	19.5	84	0.9	28.0	6.9	0.0	70
75	23.0	21.5	19.1	84	1.0	26.0	6.7	0.0	75
80	23.0	21.2	18.2	83	1.2	28.0	6.3	0.0	80
85	22.8	20.9	17.3	83	1.3	18.0	6.2	0.0	85
90	22.7	20.6	16.8	81	1.4	16.0	6.7	-2.0	90
95	22.6	20.2	16.2	79	1.4	20.0	7.2	0.0	95
100	22.4	19.8	15.6	78	1.3	26.0	8.6	0.0	100
125	21.7	19.4	15.2	77	1.2	28.0	8.4	2.0	125
150	19.6	17.5	14.1	71	0.9	15.2	6.8	2.4	150
175	17.9	16.2	13.3	64	0.7	9.6	5.2	1.2	175
200	17.2	15.2	12.8	61	0.7	8.0	3.9	1.6	200
225	15.7	14.3	13.1	52	0.5	8.0	3.8	1.2	225
250	14.6	13.5	12.5	37	0.5	5.6	3.0	0.0	250
275	13.3	12.7	11.9	15	0.4	6.0	2.9	0.4	275

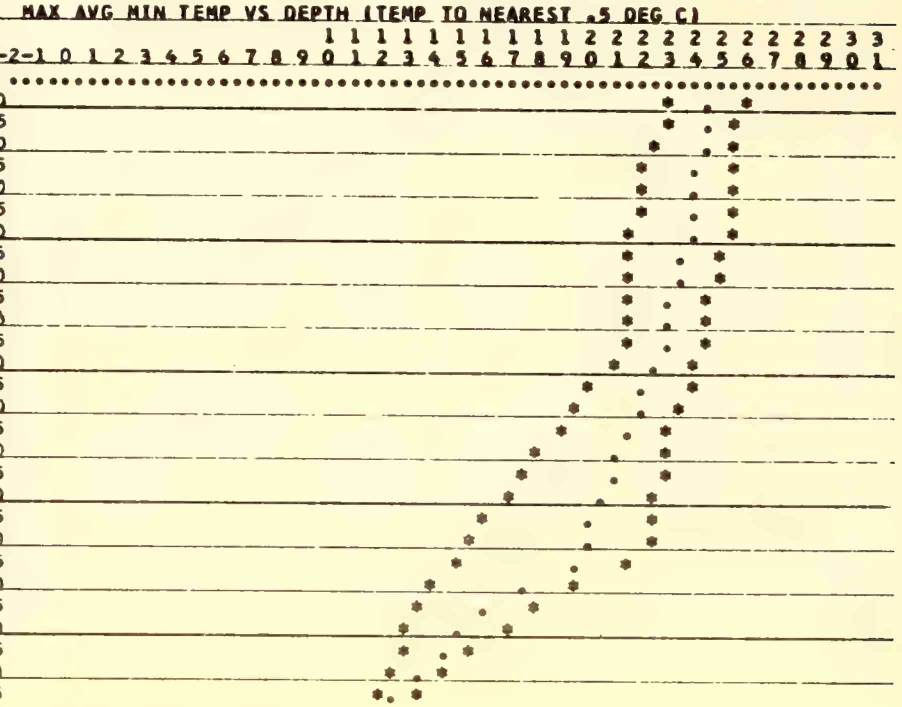
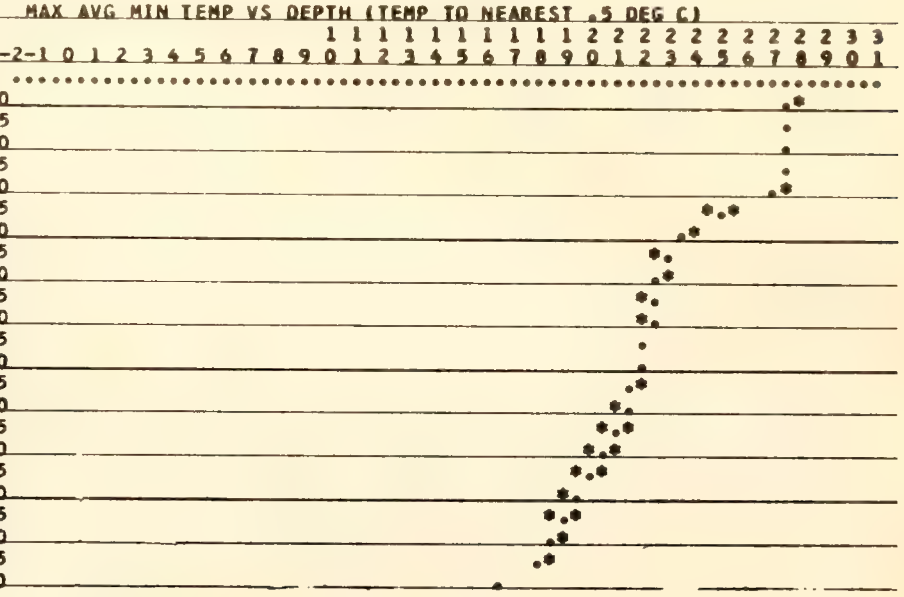


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	27.8	27.5	27.3	3	0.2	0.0	0.0	0.0	0
5	27.7	27.5	27.3	3	0.2	2.0	0.7	0.0	5
10	27.6	27.5	27.3	3	0.1	2.0	0.7	0.0	10
15	27.6	27.5	27.3	3	0.1	0.0	0.0	0.0	15
20	27.5	27.2	27.1	3	0.2	10.0	5.3	2.0	20
25	25.3	24.9	24.4	3	0.4	54.0	46.0	36.0	25
30	23.9	23.5	23.3	3	0.3	32.0	27.3	22.0	30
35	23.2	22.9	22.6	3	0.3	14.0	12.0	8.0	35
40	22.8	22.6	22.3	3	0.2	8.0	7.3	6.0	40
45	22.7	22.5	22.2	3	0.2	2.0	2.0	2.0	45
50	22.4	22.3	22.2	3	0.1	8.0	4.0	0.0	50
55	22.2	22.1	22.1	3	0.0	4.0	3.3	2.0	55
60	22.1	21.9	21.8	3	0.1	6.0	3.3	2.0	60
65	21.9	21.7	21.6	3	0.1	4.0	4.0	4.0	65
70	21.6	21.4	21.2	3	0.2	8.0	6.0	4.0	70
75	21.3	21.1	20.7	3	0.3	10.0	7.3	6.0	75
80	20.8	20.5	20.1	3	0.3	14.0	12.0	10.0	80
85	20.4	20.0	19.4	3	0.5	14.0	10.0	8.0	85
90	19.7	19.3	18.8	3	0.4	16.0	14.0	12.0	90
95	19.4	19.0	18.6	3	0.4	8.0	6.0	4.0	95
100	18.9	18.6	18.3	3	0.3	10.0	7.3	6.0	100
125	18.3	18.1	17.9	3	0.2	14.0	10.0	8.0	125
150	16.7	16.5	16.3	3	0.2	6.4	6.3	6.0	150



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	28.8	28.5	28.2	4	0.2	0.0	0.0	0.0	0
5	28.6	28.3	28.2	4	0.1	4.0	2.5	0.0	5
10	28.3	28.1	27.8	4	0.2	8.0	5.5	2.0	10
15	28.1	27.7	27.1	4	0.4	24.0	8.0	0.0	15
20	28.1	27.1	25.4	4	1.1	34.0	11.5	0.0	20
25	28.0	26.4	24.3	4	1.5	22.0	14.0	2.0	25
30	27.1	25.0	23.7	4	1.4	46.0	28.0	12.0	30
35	25.2	23.7	22.6	4	1.0	38.0	25.5	20.0	35
40	23.8	22.9	22.1	4	0.6	28.0	16.0	8.0	40
45	23.1	22.3	21.4	4	0.7	16.0	12.5	6.0	45
50	22.4	22.0	21.1	4	0.6	16.0	6.5	-2.0	50
55	22.2	21.6	20.7	4	0.6	12.0	6.5	2.0	55
60	21.8	21.3	20.5	4	0.5	8.0	6.0	4.0	60
65	21.8	21.1	20.2	4	0.6	10.0	5.5	0.0	65
70	21.7	20.8	20.0	4	0.6	8.0	4.5	2.0	70
75	21.2	20.5	19.8	4	0.6	12.0	7.5	4.0	75
80	20.8	20.1	19.4	4	0.7	12.0	8.0	4.0	80
85	20.4	19.6	19.0	4	0.7	12.0	8.5	6.0	85
90	19.9	19.0	18.4	4	0.6	20.0	12.5	8.0	90
95	19.6	18.3	17.8	4	0.8	28.0	14.5	6.0	95
100	18.9	17.6	16.8	4	0.8	24.0	13.5	8.0	100
125	18.4	17.2	16.6	4	0.7	12.0	8.0	4.0	125
150	16.7	15.8	15.5	4	0.5	6.8	5.6	4.0	150

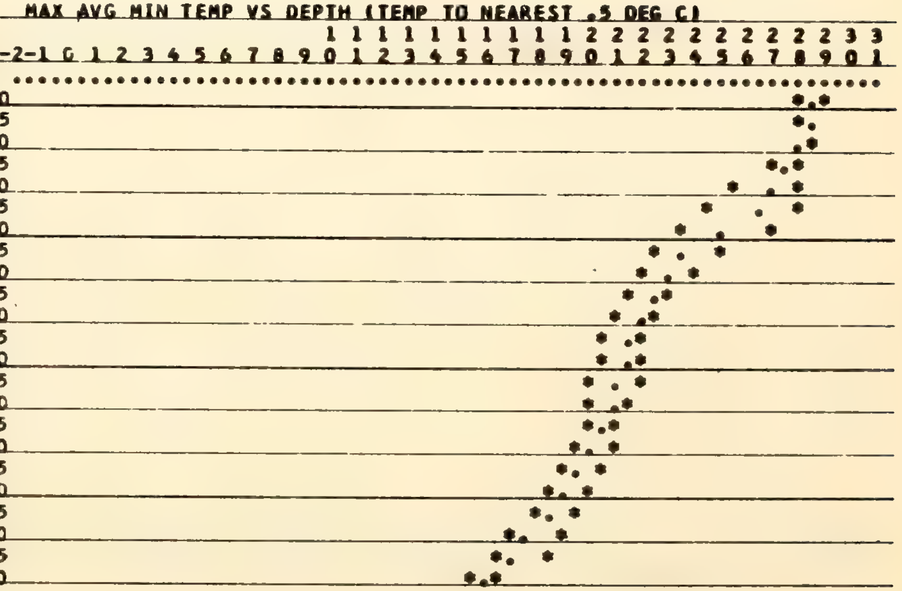
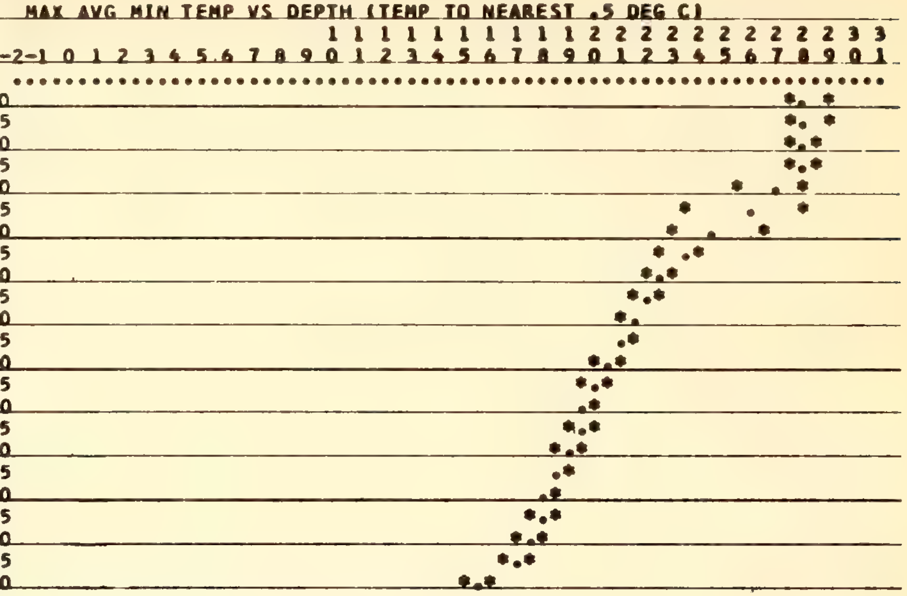


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.9	27.9	27.4	3	0.8	0.0	0.0	0.0	0
5	28.8	28.0	27.6	3	0.6	2.0	-1.3	-4.0	5
10	28.6	27.9	27.6	3	0.5	4.0	1.3	0.0	10
15	28.3	27.8	27.6	3	0.3	6.0	2.0	0.0	15
20	28.2	27.1	25.6	3	1.3	40.0	14.7	2.0	20
25	28.2	26.2	23.5	3	2.4	42.0	18.7	0.0	25
30	26.4	24.6	22.9	3	1.7	46.0	31.3	12.0	30
35	23.9	23.3	22.4	3	0.8	50.0	26.0	10.0	35
40	23.1	22.6	21.9	3	0.6	18.0	14.7	10.0	40
45	22.4	22.0	21.5	3	0.4	14.0	12.0	8.0	45
50	21.7	21.5	21.2	3	0.2	14.0	10.0	6.0	50
55	21.3	21.1	20.8	3	0.2	8.0	8.0	8.0	55
60	20.9	20.6	20.2	3	0.3	12.0	9.3	6.0	60
65	20.4	20.1	19.7	3	0.3	12.0	10.0	8.0	65
70	20.1	19.7	19.4	3	0.3	12.0	8.0	6.0	70
75	19.9	19.4	19.1	3	0.4	12.0	6.0	2.0	75
80	19.5	18.9	18.6	3	0.4	12.0	10.0	8.0	80
85	19.1	18.5	18.3	3	0.4	8.0	7.3	6.0	85
90	18.6	18.1	17.9	3	0.3	10.0	8.0	6.0	90
95	18.3	17.8	17.5	3	0.4	10.0	7.3	6.0	95
100	18.0	17.3	16.9	3	0.5	14.0	8.7	6.0	100
125	17.7	17.1	16.7	3	0.5	6.0	5.3	4.0	125
150	15.8	15.5	15.2	3	0.3	7.6	6.3	4.4	150



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.1	27.8	21.5	10	2.2	0.0	0.0	0.0	0
5	29.0	27.8	21.5	10	2.2	8.0	1.4	-4.0	5
10	29.0	27.7	21.5	10	2.2	6.0	1.0	-2.0	10
15	29.0	27.7	21.5	10	2.2	6.0	1.0	-2.0	15
20	29.0	27.4	21.5	10	2.2	30.0	4.8	0.0	20
25	29.0	26.9	21.5	10	2.4	36.0	11.2	0.0	25
30	29.0	26.3	21.5	10	2.6	32.0	10.6	0.0	30
35	29.0	25.8	21.5	10	2.8	30.0	11.0	0.0	35
40	28.6	24.7	21.5	10	2.3	68.0	22.6	0.0	40
45	26.0	23.7	21.5	10	1.6	60.0	18.2	0.0	45
50	24.5	22.9	21.5	10	1.0	40.0	16.6	0.0	50
55	23.2	22.3	21.2	10	0.6	26.0	12.0	0.0	55
60	22.5	21.8	20.7	10	0.5	16.0	9.4	0.0	60
65	22.0	21.4	20.6	10	0.4	14.0	8.0	0.0	65
70	21.9	21.2	20.4	10	0.4	10.0	5.8	0.0	70
75	21.6	20.9	20.2	10	0.4	8.0	5.0	0.0	75
80	21.5	20.6	20.0	10	0.4	12.0	6.2	0.0	80
85	21.1	20.2	19.3	10	0.5	16.0	8.4	6.0	85
90	20.9	19.8	18.7	10	0.6	12.0	8.2	4.0	90
95	20.5	19.5	18.6	10	0.6	8.0	6.2	2.0	95
100	20.3	19.1	18.2	10	0.6	16.0	6.2	4.0	100
125	20.1	19.0	17.8	9	0.8	14.0	5.8	2.0	125
150	18.5	18.1	17.5	5	0.4	6.4	5.5	4.0	150
175	17.4	16.7	16.4	5	0.3	6.8	5.7	4.4	175
200	16.1	15.4	15.1	5	0.3	6.0	5.0	4.0	200
225	14.7	14.2	13.8	5	0.3	5.6	5.0	4.4	225
250	13.5	13.1	12.7	5	0.3	4.8	4.4	4.0	250
275	12.5	12.2	12.1	5	0.1	4.0	3.4	2.4	275

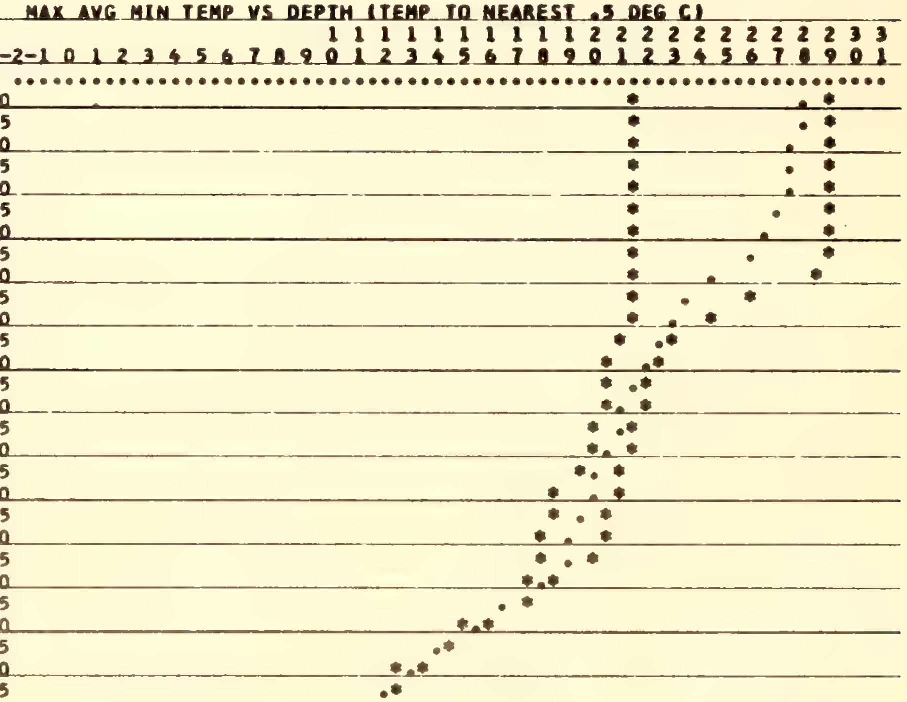
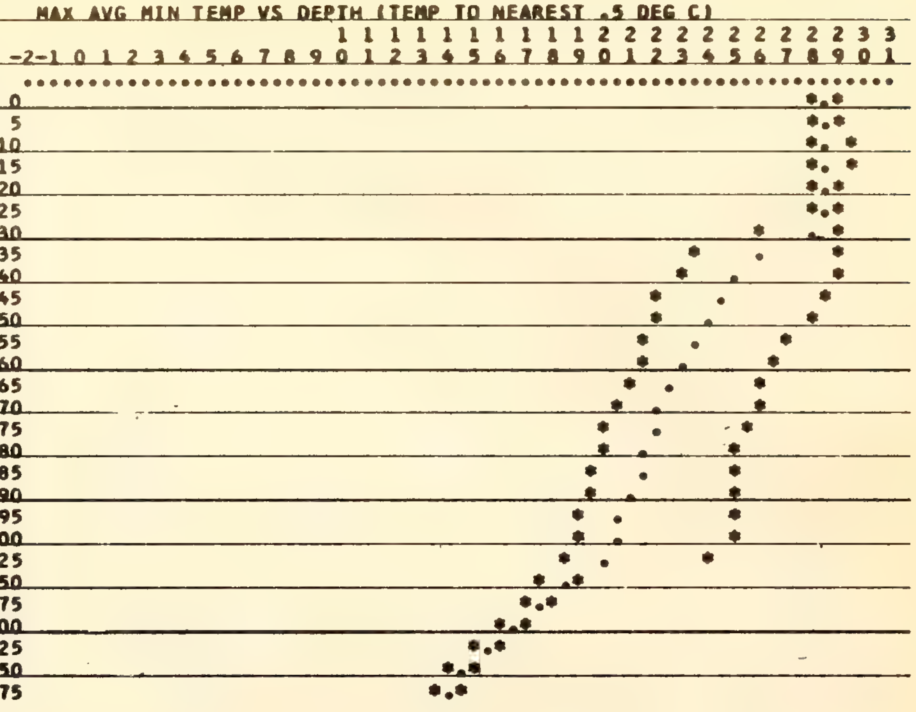


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.1	28.7	28.1	10	0.3	0.0	0.0	0.0	0
5	29.2	28.6	28.1	10	0.3	8.0	2.0	-2.0	5
10	29.3	28.6	28.1	10	0.3	4.0	-0.2	-8.0	10
15	29.3	28.6	28.1	10	0.3	2.0	0.4	0.0	15
20	29.2	28.6	28.1	10	0.3	2.0	0.2	-2.0	20
25	29.1	28.5	28.0	10	0.3	6.0	1.6	0.0	25
30	29.1	27.9	26.0	10	1.1	54.0	13.4	0.0	30
35	29.0	26.0	23.5	10	2.3	88.0	36.8	0.0	35
40	28.8	25.1	22.9	10	2.5	50.0	17.8	0.0	40
45	28.6	24.4	22.2	10	2.6	50.0	14.0	0.0	45
50	28.1	23.9	21.9	10	2.5	20.0	11.2	4.0	50
55	26.9	23.3	21.5	10	2.2	28.0	11.2	2.0	55
60	26.4	22.9	21.3	10	2.0	24.0	8.6	2.0	60
65	26.1	22.5	21.0	10	1.9	18.0	6.8	2.0	65
70	25.9	22.2	20.6	10	1.9	14.0	7.2	2.0	70
75	25.7	21.9	20.2	10	1.9	12.0	6.0	2.0	75
80	25.1	21.6	19.9	10	1.8	12.0	6.0	4.0	80
85	25.0	21.3	19.5	10	1.9	12.0	5.6	0.0	85
90	24.9	21.1	19.3	10	1.9	6.0	4.0	0.0	90
95	24.9	20.7	19.1	9	1.9	8.0	3.3	0.0	95
100	24.9	20.5	18.9	9	2.0	10.0	3.8	0.0	100
125	24.2	20.2	18.6	9	1.9	14.0	5.3	2.0	125
150	19.1	18.4	17.7	7	0.6	4.8	3.5	2.4	150
175	18.1	17.5	17.1	5	0.3	6.4	4.2	2.8	175
200	17.1	16.5	16.2	5	0.3	5.6	4.1	3.2	200
225	16.0	15.4	15.1	5	0.3	5.2	4.4	3.6	225
250	15.1	14.4	16.1	5	0.3	4.0	3.3	2.8	250
275	14.6	13.9	13.3	4	0.5	3.2	2.7	2.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.1	27.6	26.3	27	0.4	0.0	0.0	0.0	0
5	28.1	27.6	26.3	27	0.4	4.0	0.1	-2.0	5
10	28.1	27.6	26.2	27	0.4	2.0	0.0	-6.0	10
15	28.1	27.6	26.7	27	0.3	2.0	-0.3	-10.0	15
20	28.0	27.6	26.6	27	0.3	2.0	0.1	-4.0	20
25	28.0	27.6	26.5	27	0.3	2.0	-0.4	-8.0	25
30	28.0	27.4	25.9	27	0.6	40.0	4.7	-2.0	30
35	28.0	26.9	24.1	27	1.2	74.0	9.1	0.0	35
40	27.9	26.5	23.6	27	1.5	50.0	9.2	0.0	40
45	27.9	25.9	23.0	27	1.8	66.0	12.4	0.0	45
50	27.9	25.4	22.8	27	2.0	38.0	9.0	0.0	50
55	27.8	24.7	22.1	27	2.3	56.0	14.4	0.0	55
60	27.8	24.2	21.3	27	2.4	56.0	10.1	0.0	60
65	27.8	23.7	20.9	27	2.4	44.0	9.7	0.0	65
70	27.8	23.1	20.8	27	2.2	52.0	11.7	0.0	70
75	26.1	22.4	20.6	27	1.6	64.0	13.4	2.0	75
80	24.8	21.9	20.1	27	1.3	36.0	10.1	0.0	80
85	24.0	21.5	19.6	27	1.3	32.0	8.6	2.0	85
90	23.8	21.2	19.2	26	1.2	16.0	6.9	2.0	90
95	23.4	20.9	19.0	26	1.2	12.0	5.8	2.0	95
100	23.2	20.7	18.8	26	1.2	12.0	5.7	2.0	100
125	22.9	20.3	18.7	26	1.2	12.0	6.5	0.0	125
150	21.4	19.0	17.8	24	1.0	9.2	5.3	3.2	150
175	20.1	17.9	15.9	24	1.1	8.8	4.6	1.2	175
200	19.2	16.7	15.0	22	1.1	8.8	4.9	1.6	200
225	17.6	15.4	13.8	18	0.9	10.0	5.3	3.2	225
250	15.4	14.5	13.3	13	0.6	5.6	4.0	2.4	250
275	14.4	13.5	12.3	10	0.5	5.6	3.5	1.6	275

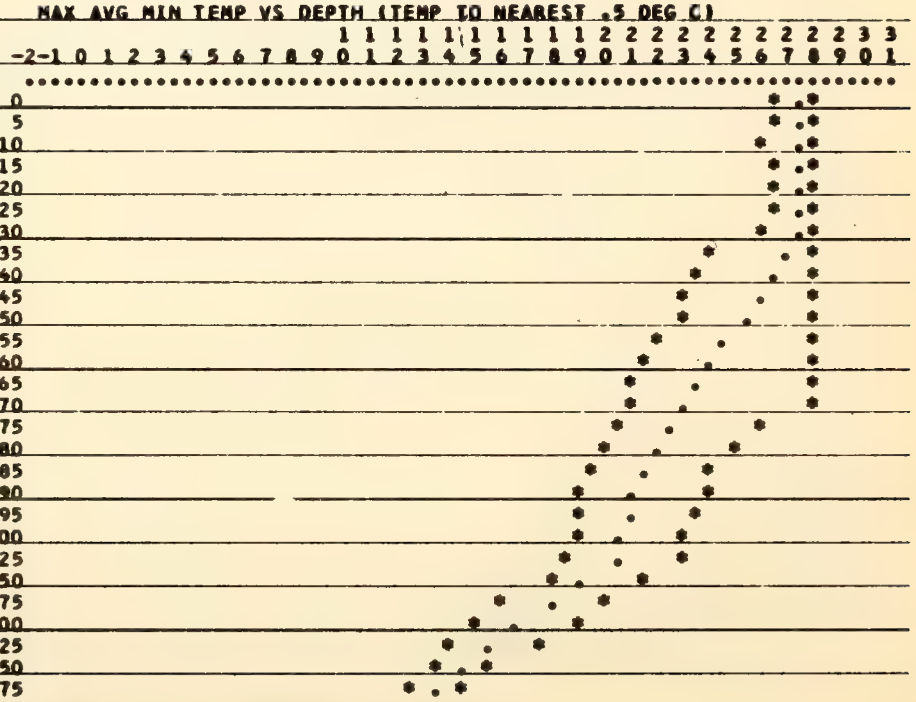
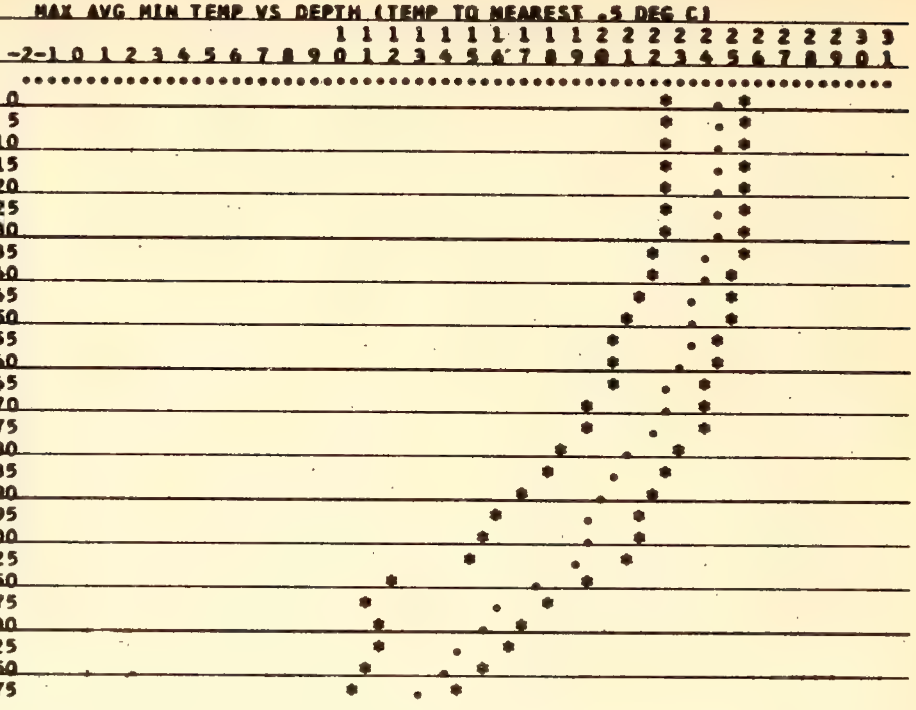


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18A MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	25.7	24.6	22.4	91	0.8	0.0	0.0	0.0	0
5	25.6	24.6	22.4	91	0.8	6.0	0.4	-2.0	5
10	25.6	24.6	22.4	91	0.8	14.0	0.5	-2.0	10
15	25.4	24.5	22.4	91	0.8	8.0	0.5	-2.0	15
20	25.4	24.5	22.4	91	0.8	8.0	0.7	-2.0	20
25	25.4	24.4	22.4	91	0.8	12.0	1.5	0.0	25
30	25.3	24.3	22.3	91	0.7	14.0	2.7	-2.0	30
35	25.3	24.1	22.1	91	0.7	22.0	3.4	0.0	35
40	25.2	23.9	21.8	91	0.7	20.0	4.5	-2.0	40
45	25.0	23.7	21.3	91	0.7	18.0	4.5	0.0	45
50	24.8	23.5	20.9	91	0.7	16.0	3.9	-2.0	50
55	24.4	23.3	20.7	88	0.7	12.0	3.9	-2.0	55
60	24.3	23.1	20.6	88	0.7	18.0	5.0	-2.0	60
65	24.2	22.7	20.3	87	0.8	22.0	6.3	0.0	65
70	24.1	22.3	19.6	87	0.9	34.0	8.3	0.0	70
75	23.8	21.8	19.3	87	1.0	30.0	10.0	0.0	75
80	22.9	21.2	18.4	87	1.0	32.0	12.3	0.0	80
85	22.6	20.6	17.8	87	1.1	64.0	12.1	2.0	85
90	22.1	20.2	16.9	87	1.1	22.0	9.1	-62.0	90
95	21.7	19.7	16.1	87	1.1	26.0	9.2	0.0	95
100	21.3	19.3	15.4	87	1.1	18.0	8.2	2.0	100
125	20.9	18.9	14.9	87	1.1	22.0	7.6	2.0	125
150	19.7	17.3	12.0	79	1.2	14.0	6.4	2.4	150
175	17.8	16.1	11.2	69	1.2	7.2	4.8	1.6	175
200	17.2	15.3	11.5	66	0.9	5.6	3.6	1.2	200
225	16.3	14.5	11.6	60	0.8	4.8	3.5	0.8	225
250	15.4	13.8	11.1	57	0.7	4.8	3.0	0.8	250
275	14.4	13.1	10.7	38	0.7	5.6	3.0	1.6	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18A MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.1	24.5	23.0	87	0.6	0.0	0.0	0.0	0
5	25.5	24.4	23.0	87	0.6	18.0	1.7	-10.0	5
10	25.5	24.3	22.3	87	0.6	16.0	2.9	0.0	10
15	25.5	24.1	22.0	87	0.7	16.0	3.1	-2.0	15
20	25.5	24.0	21.9	87	0.7	8.0	2.5	0.0	20
25	25.5	23.9	21.8	87	0.8	14.0	1.7	0.0	25
30	25.5	23.8	21.7	87	0.8	18.0	3.1	0.0	30
35	25.2	23.6	21.6	87	0.7	18.0	3.3	0.0	35
40	24.8	23.4	21.5	87	0.6	14.0	3.7	0.0	40
45	24.4	23.2	21.4	87	0.6	16.0	4.2	0.0	45
50	24.4	23.0	21.4	87	0.5	12.0	3.5	-4.0	50
55	24.3	22.8	21.4	87	0.5	16.0	3.9	0.0	55
60	23.8	22.6	21.2	87	0.5	28.0	5.7	0.0	60
65	23.8	22.2	20.1	86	0.7	22.0	6.5	0.0	65
70	23.5	21.9	19.5	84	0.9	28.0	6.9	0.0	70
75	23.0	21.5	19.1	84	1.0	26.0	6.7	0.0	75
80	23.0	21.2	18.2	83	1.2	28.0	6.3	0.0	80
85	22.8	20.9	17.3	83	1.3	18.0	6.2	0.0	85
90	22.7	20.6	16.8	81	1.4	16.0	6.7	-2.0	90
95	22.6	20.2	16.2	79	1.4	20.0	7.2	0.0	95
100	22.4	19.8	15.6	78	1.3	26.0	8.6	0.0	100
125	21.7	19.4	15.2	77	1.2	28.0	8.4	2.0	125
150	19.6	17.5	14.1	71	0.9	15.2	6.8	2.4	150
175	17.9	16.2	13.3	64	0.7	9.6	5.2	1.2	175
200	17.2	15.2	12.8	61	0.7	8.0	3.9	1.6	200
225	15.7	14.3	13.1	52	0.5	8.0	3.8	1.2	225
250	14.4	13.5	12.5	37	0.5	5.6	3.0	0.0	250
275	13.3	12.7	11.9	15	0.4	6.0	2.9	0.4	275

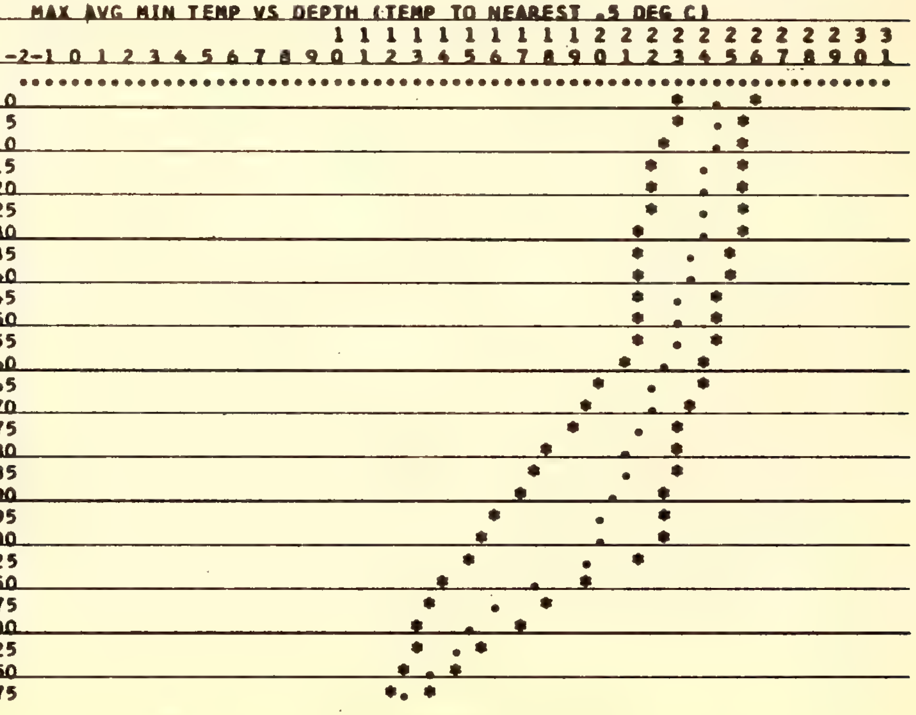
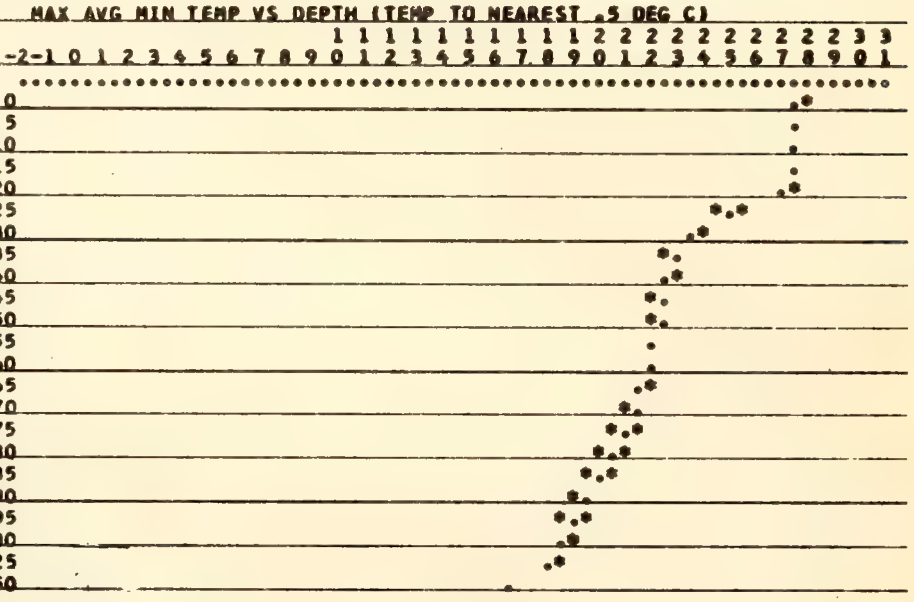


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18A MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.8	27.5	27.3	3	0.2	0.0	0.0	0.0	0
5	27.7	27.5	27.3	3	0.2	2.0	0.7	0.0	5
10	27.6	27.5	27.3	3	0.1	2.0	0.7	0.0	10
15	27.6	27.5	27.3	3	0.1	0.0	0.0	0.0	15
20	27.5	27.2	27.1	3	0.2	10.0	5.3	2.0	20
25	25.3	24.9	24.4	3	0.4	54.0	46.0	36.0	25
30	23.9	23.5	23.3	3	0.3	32.0	27.3	22.0	30
35	23.2	22.9	22.6	3	0.3	14.0	12.0	8.0	35
40	22.8	22.6	22.3	3	0.2	8.0	7.3	6.0	40
45	22.7	22.5	22.2	3	0.2	2.0	2.0	2.0	45
50	22.4	22.3	22.2	3	0.1	8.0	4.0	0.0	50
55	22.2	22.1	22.1	3	0.0	4.0	3.3	2.0	55
60	22.1	21.9	21.8	3	0.1	6.0	3.3	2.0	60
65	21.9	21.7	21.6	3	0.1	4.0	4.0	4.0	65
70	21.6	21.4	21.2	3	0.2	8.0	6.0	4.0	70
75	21.3	21.1	20.7	3	0.3	10.0	7.3	6.0	75
80	20.8	20.5	20.1	3	0.3	14.0	12.0	10.0	80
85	20.4	20.0	19.4	3	0.5	14.0	10.0	8.0	85
90	19.7	19.3	18.8	3	0.4	16.0	14.0	12.0	90
95	19.4	19.0	18.6	3	0.4	8.0	6.0	4.0	95
100	18.8	18.6	18.3	3	0.3	10.0	7.3	6.0	100
125	18.3	18.1	17.9	3	0.2	14.0	10.0	8.0	125
150	16.7	16.5	16.3	3	0.2	6.4	6.3	6.0	150



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18A MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.8	28.5	28.2	4	0.2	0.0	0.0	0.0	0
5	28.6	28.3	28.2	4	0.1	4.0	2.5	0.0	5
10	28.3	28.1	27.8	4	0.2	8.0	5.5	2.0	10
15	28.1	27.7	27.1	4	0.4	24.0	8.0	0.0	15
20	28.1	27.1	25.4	4	1.1	34.0	11.5	0.0	20
25	28.0	26.4	24.3	4	1.5	22.0	14.0	2.0	25
30	27.1	25.0	23.7	4	1.4	46.0	28.0	12.0	30
35	25.2	23.7	22.6	4	1.0	38.0	25.5	20.0	35
40	23.8	22.9	22.1	4	0.6	28.0	16.0	8.0	40
45	23.1	22.3	21.4	4	0.7	16.0	12.5	6.0	45
50	22.4	22.0	21.1	4	0.6	16.0	6.5	-2.0	50
55	22.2	21.6	20.7	4	0.6	12.0	6.5	2.0	55
60	21.8	21.3	20.5	4	0.5	8.0	6.0	4.0	60
65	21.8	21.1	20.2	4	0.6	10.0	5.5	0.0	65
70	21.7	20.8	20.0	4	0.6	8.0	4.5	2.0	70
75	21.2	20.5	19.8	4	0.6	12.0	7.5	4.0	75
80	20.8	20.1	19.4	4	0.7	12.0	8.0	4.0	80
85	20.4	19.6	19.0	4	0.7	12.0	8.5	6.0	85
90	19.9	19.0	18.4	4	0.6	20.0	12.5	8.0	90
95	19.6	18.3	17.8	4	0.8	28.0	14.5	6.0	95
100	18.9	17.6	16.8	4	0.8	24.0	13.5	8.0	100
125	18.4	17.2	16.6	4	0.7	12.0	8.0	4.0	125
150	16.7	15.8	15.5	4	0.5	6.8	5.6	4.0	150

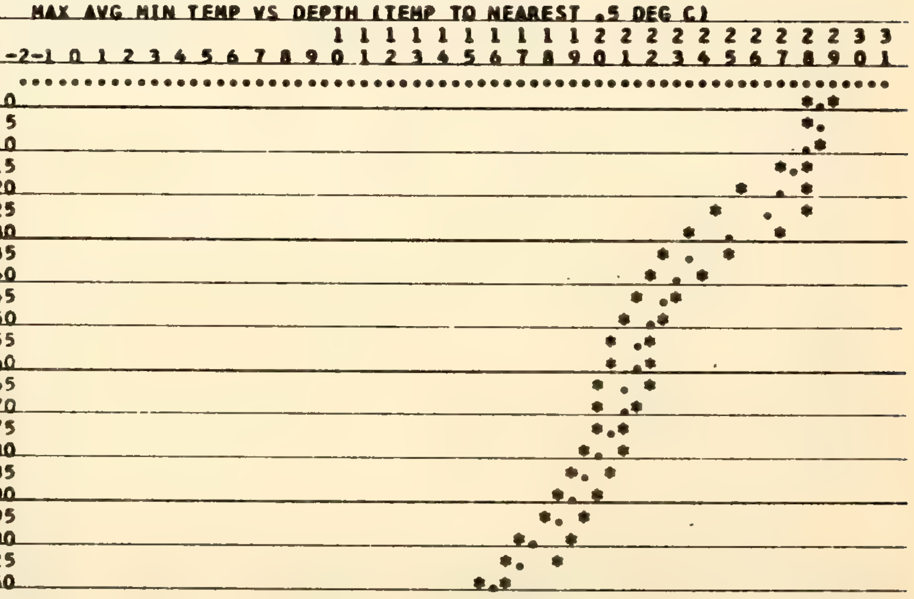


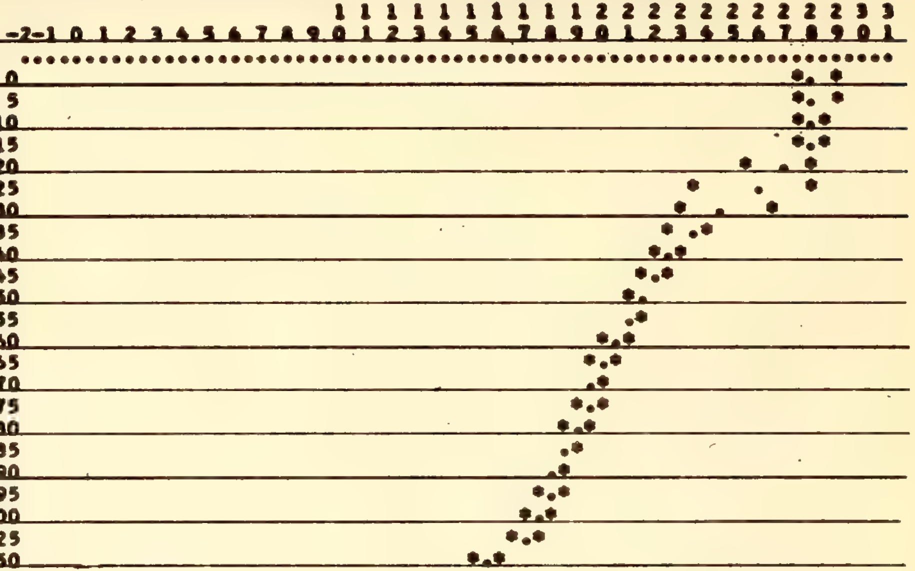
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18A MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.9	27.9	27.4	3	0.8	0.0	0.0	0.0	0
5	28.8	28.0	27.6	3	0.6	2.0	-1.3	-4.0	5
10	28.6	27.9	27.6	3	0.5	4.0	1.3	0.0	10
15	28.3	27.8	27.6	3	0.3	6.0	2.0	0.0	15
20	28.2	27.1	25.6	3	1.3	40.0	14.7	2.0	20
25	28.2	26.2	23.5	3	2.4	42.0	18.7	0.0	25
30	26.6	24.6	22.9	3	1.7	44.0	31.3	12.0	30
35	23.9	23.3	22.4	3	0.8	50.0	26.0	10.0	35
40	23.1	22.6	21.9	3	0.6	18.0	14.7	10.0	40
45	22.4	22.0	21.5	3	0.4	14.0	12.0	8.0	45
50	21.7	21.5	21.2	3	0.2	14.0	10.0	6.0	50
55	21.3	21.1	20.8	3	0.2	8.0	8.0	8.0	55
60	20.9	20.6	20.2	3	0.3	12.0	9.3	6.0	60
65	20.4	20.1	19.7	3	0.3	12.0	10.0	8.0	65
70	20.1	19.7	19.4	3	0.3	12.0	8.0	6.0	70
75	19.9	19.4	19.1	3	0.4	12.0	6.0	2.0	75
80	19.5	18.9	18.6	3	0.4	12.0	10.0	8.0	80
85	19.1	18.5	18.3	3	0.4	8.0	7.3	6.0	85
90	18.6	18.1	17.9	3	0.3	10.0	8.0	6.0	90
95	18.3	17.8	17.5	3	0.4	10.0	7.3	6.0	95
100	18.0	17.3	16.9	3	0.5	14.0	8.7	6.0	100
125	17.7	17.1	16.7	3	0.5	6.0	5.3	4.0	125
150	16.0	15.5	15.2	3	0.3	7.6	6.3	4.4	150

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18A MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.1	27.8	21.5	10	2.2	0.0	0.0	0.0	0
5	29.0	27.8	21.5	10	2.2	8.0	1.4	-4.0	5
10	29.0	27.7	21.5	10	2.2	6.0	1.0	-2.0	10
15	29.0	27.7	21.5	10	2.2	6.0	1.0	-2.0	15
20	29.0	27.4	21.5	10	2.2	30.0	4.8	0.0	20
25	29.0	26.9	21.5	10	2.4	36.0	11.2	0.0	25
30	29.0	26.3	21.5	10	2.6	32.0	10.6	0.0	30
35	29.0	25.8	21.5	10	2.8	30.0	11.0	0.0	35
40	28.6	24.7	21.5	10	2.3	68.0	22.6	0.0	40
45	26.0	23.7	21.5	10	1.6	60.0	18.2	0.0	45
50	24.5	22.9	21.5	10	1.0	40.0	16.6	0.0	50
55	23.2	22.3	21.2	10	0.6	26.0	12.0	0.0	55
60	22.5	21.8	20.7	10	0.5	16.0	9.4	0.0	60
65	22.0	21.4	20.6	10	0.4	14.0	8.0	0.0	65
70	21.9	21.2	20.4	10	0.4	10.0	5.8	0.0	70
75	21.6	20.9	20.2	10	0.4	8.0	5.0	0.0	75
80	21.5	20.6	20.0	10	0.4	12.0	6.2	0.0	80
85	21.1	20.2	19.3	10	0.5	16.0	8.4	6.0	85
90	20.9	19.8	18.7	10	0.6	12.0	8.2	4.0	90
95	20.5	19.5	18.6	10	0.6	8.0	6.2	2.0	95
100	20.3	19.1	18.2	10	0.6	16.0	6.2	4.0	100
125	20.1	19.0	17.8	9	0.8	14.0	5.8	2.0	125
150	18.5	18.1	17.5	5	0.4	6.4	5.5	4.0	150
175	17.4	16.7	16.4	5	0.3	6.8	5.7	4.4	175
200	16.1	15.4	15.1	5	0.3	6.0	5.0	4.0	200
225	14.7	14.2	13.8	5	0.3	5.6	5.0	4.4	225
250	13.5	13.1	12.7	5	0.3	4.8	4.4	4.0	250
275	12.5	12.2	12.1	5	0.1	4.0	3.4	2.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

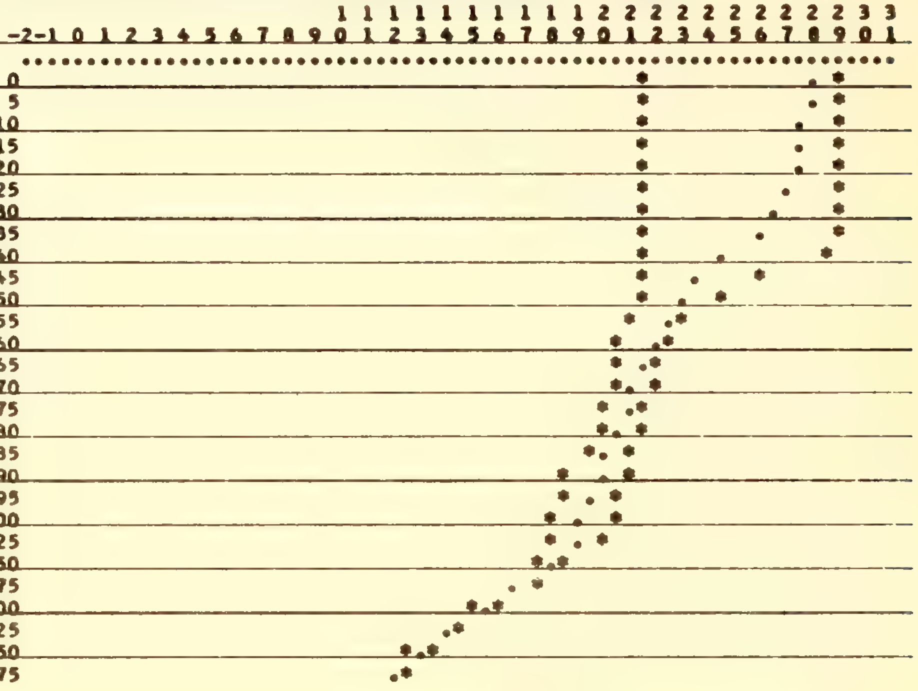


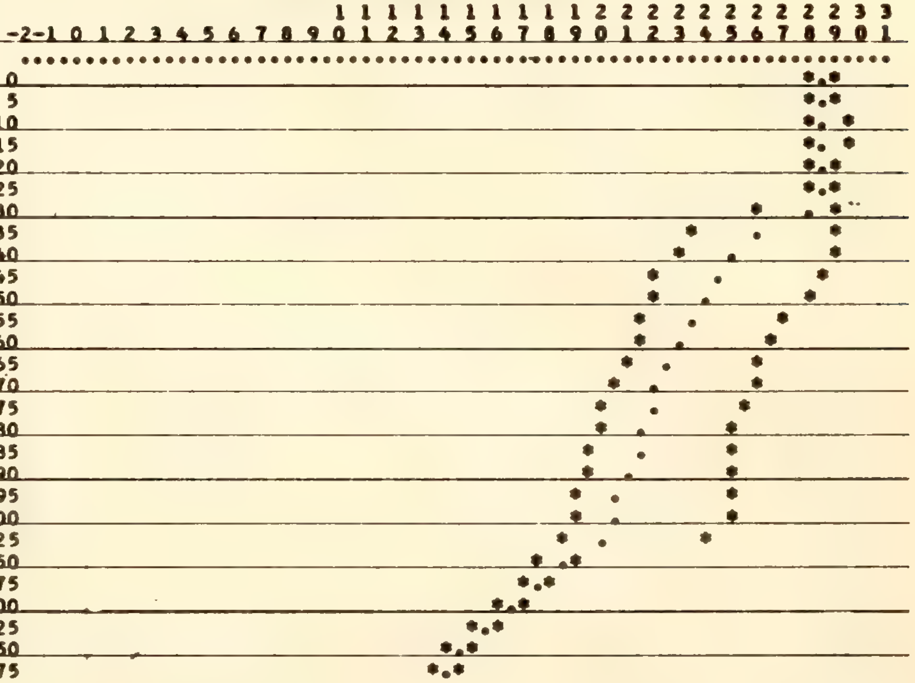
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18A MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.1	28.7	28.1	10	0.3	0.0	0.0	0.0	0
5	29.2	28.6	28.1	10	0.3	8.0	2.0	-2.0	5
10	29.3	28.6	28.1	10	0.3	4.0	-0.2	-8.0	10
15	29.3	28.6	28.1	10	0.3	2.0	0.4	0.0	15
20	29.2	28.6	28.1	10	0.3	2.0	0.2	-2.0	20
25	29.1	28.5	28.0	10	0.3	6.0	1.6	0.0	25
30	29.1	27.9	26.0	10	1.1	54.0	13.4	0.0	30
35	29.0	26.0	23.5	10	2.3	88.0	36.8	0.0	35
40	28.8	25.1	22.9	10	2.5	50.0	17.8	0.0	40
45	28.6	24.4	22.2	10	2.6	50.0	14.0	0.0	45
50	28.1	23.9	21.9	10	2.5	20.0	11.2	4.0	50
55	26.9	23.3	21.5	10	2.2	28.0	11.2	2.0	55
60	26.4	22.9	21.3	10	2.0	24.0	8.6	2.0	60
65	26.1	22.5	21.0	10	1.9	18.0	6.8	2.0	65
70	25.9	22.2	20.6	10	1.9	14.0	7.2	2.0	70
75	25.7	21.9	20.2	10	1.9	12.0	6.0	2.0	75
80	25.1	21.6	19.9	10	1.8	12.0	6.0	4.0	80
85	25.0	21.3	19.5	10	1.9	12.0	5.6	0.0	85
90	24.9	21.1	19.3	10	1.9	6.0	4.0	0.0	90
95	24.9	20.7	19.1	9	1.9	8.0	3.3	0.0	95
100	24.9	20.5	18.9	9	2.0	10.0	3.8	0.0	100
125	24.2	20.2	18.6	9	1.9	14.0	5.3	2.0	125
150	19.1	18.4	17.7	7	0.4	4.8	3.5	2.4	150
175	18.1	17.5	17.1	5	0.3	6.4	4.2	2.8	175
200	17.1	16.5	16.2	5	0.3	5.6	4.1	3.2	200
225	16.0	15.4	15.1	5	0.3	5.2	4.4	3.6	225
250	15.1	14.6	14.1	5	0.3	4.0	3.3	2.8	250
275	14.6	13.9	13.3	4	0.5	3.2	2.7	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 18A MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.1	27.6	26.3	27	0.4	0.0	0.0	0.0	0
5	28.1	27.6	26.3	27	0.4	4.0	0.1	-2.0	5
10	28.1	27.6	26.2	27	0.4	2.0	0.0	-6.0	10
15	28.1	27.6	26.7	27	0.3	2.0	-0.3	-10.0	15
20	28.0	27.6	26.6	27	0.3	2.0	0.1	-4.0	20
25	28.0	27.6	26.5	27	0.3	2.0	-0.4	-8.0	25
30	28.0	27.4	25.9	27	0.6	40.0	4.7	-2.0	30
35	28.0	26.9	24.1	27	1.2	74.0	9.1	0.0	35
40	27.9	26.5	23.6	27	1.5	50.0	9.2	0.0	40
45	27.9	25.9	23.0	27	1.8	66.0	12.4	0.0	45
50	27.9	25.4	22.8	27	2.0	38.0	9.0	0.0	50
55	27.8	24.7	22.1	27	2.3	56.0	14.4	0.0	55
60	27.8	24.2	21.3	27	2.4	56.0	10.1	0.0	60
65	27.8	23.7	20.9	27	2.4	44.0	9.7	0.0	65
70	27.8	23.1	20.8	27	2.2	52.0	11.7	0.0	70
75	26.1	22.4	20.6	27	1.6	64.0	13.4	2.0	75
80	24.8	21.9	20.1	27	1.3	36.0	10.1	0.0	80
85	24.0	21.5	19.6	27	1.3	32.0	8.6	2.0	85
90	23.8	21.2	19.2	26	1.2	14.0	6.9	2.0	90
95	23.4	20.9	19.0	26	1.2	12.0	5.8	2.0	95
100	23.2	20.7	18.8	26	1.2	12.0	5.7	2.0	100
125	22.9	20.3	18.7	26	1.2	12.0	6.5	0.0	125
150	21.4	19.0	17.8	24	1.0	9.2	5.3	3.2	150
175	20.1	17.9	15.9	24	1.1	8.8	4.6	1.2	175
200	19.2	16.7	15.0	22	1.1	8.8	4.9	1.6	200
225	17.6	15.4	13.8	18	0.9	10.0	5.3	3.2	225
250	15.4	14.5	13.3	13	0.6	5.6	4.0	2.4	250
275	14.4	13.5	12.5	10	0.5	5.6	3.5	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

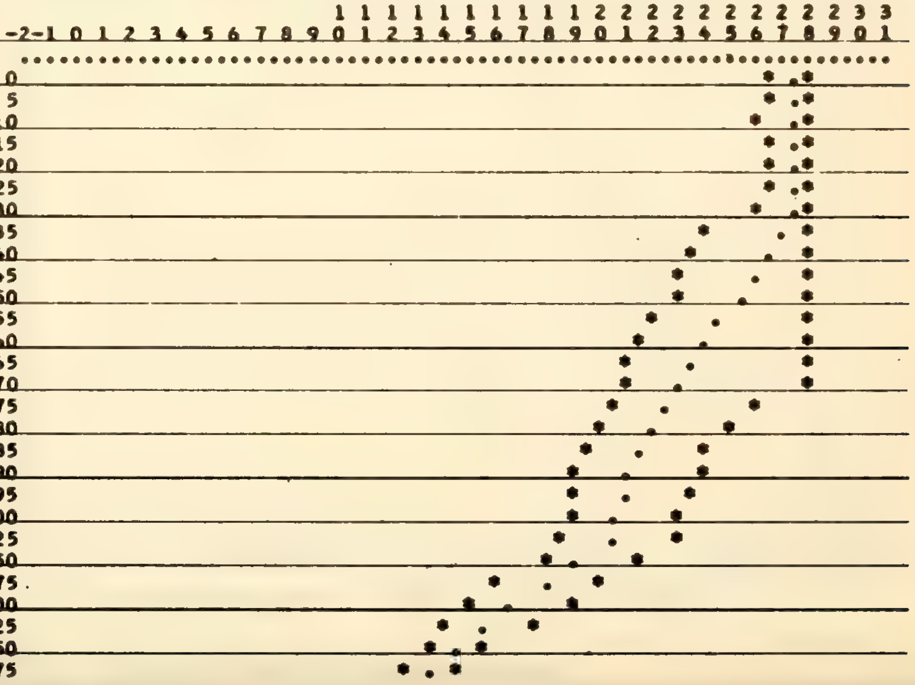


Table VI-1.—Continued

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                                 NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 19   MONTH  1
                                                                        MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                               1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                              GRADIENT           -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX    AVG    MIN     NUM  SDEV        MAX     AVG     MIN      ...................................................................
     0 22.6   22.6   22.6      1   0.0        0.0     0.0     0.0   0                                                   .
     5 22.6   22.6   22.6      1   0.0        0.0     0.0     0.0   5                                                   .
    10 22.6   22.6   22.6      1   0.0        0.0     0.0     0.0   10                                                  .
    15 22.5   22.5   22.5      1   0.0        2.0     2.0     2.0   15                                                  .
    20 22.4   22.4   22.4      1   0.0        2.0     2.0     2.0   20                                                  .
    25 22.4   22.4   22.4      1   0.0        0.0     0.0     0.0   25                                                  .
    30 22.4   22.4   22.4      1   0.0        0.0     0.0     0.0   30                                                  .

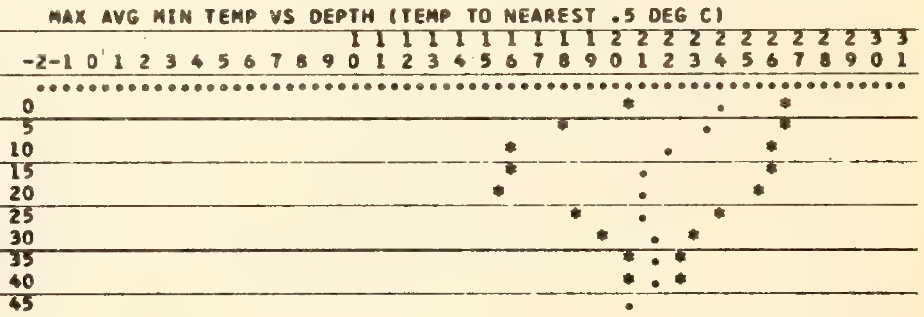

                                 NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 19   MONTH  2
                                                                        MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                               1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                              GRADIENT           -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX    AVG    MIN     NUM  SDEV        MAX     AVG     MIN      ...................................................................
     0 23.8   23.5   23.4      3   0.2        0.0     0.0     0.0   0                                                     .*
     5 23.8   23.5   23.4      3   0.2        0.0     0.0     0.0   5                                                     .*
    10 23.8   23.5   23.4      3   0.2        0.0     0.0     0.0   10                                                    .*
    15 23.8   23.5   23.4      3   0.2        0.0     0.0     0.0   15                                                    .*
    20 23.8   23.5   23.4      3   0.2        0.0     0.0     0.0   20                                                    .*
    25 23.8   23.5   23.3      3   0.2        2.0     0.7     0.0   25                                                    .*
    30 23.7   23.5   23.3      2   0.2        2.0     1.0     0.0   30                                                    .
```

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 19 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	26.6	23.9	20.6	195	1.1	0.0	0.0	0.0
5	26.7	23.3	18.0	195	1.5	122.0	12.1	-4.0
10	26.0	21.8	16.1	191	2.2	122.0	30.1	-2.0
15	25.9	20.8	15.9	188	2.0	80.0	20.6	0.0
20	25.6	20.8	15.7	137	1.7	54.0	4.7	0.0
25	23.9	21.2	18.6	41	1.1	62.0	10.9	-6.0
30	23.2	21.4	19.6	15	1.0	34.0	8.0	0.0
35	22.5	21.5	20.6	8	0.7	4.0	2.0	0.0
40	22.5	21.3	20.5	4	0.9	2.0	0.5	0.0
45	20.6	20.6	20.6	1	0.0	0.0	0.0	0.0



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 19 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	27.3	24.8	21.1	32	1.4	0.0	0.0	0.0
5	27.2	23.2	17.3	32	2.7	138.0	32.6	0.0
10	26.2	20.0	16.0	32	3.2	164.0	64.1	4.0
15	25.9	19.2	15.7	32	2.7	72.0	17.0	0.0
20	25.4	19.0	15.6	28	2.4	68.0	6.2	0.0
25	23.5	19.0	15.6	19	2.1	48.0	7.9	0.0
30	22.6	19.6	15.6	10	2.2	10.0	3.2	0.0
35	22.6	20.1	17.2	5	2.0	16.0	5.2	0.0
40	16.0	16.0	16.0	1	0.0	24.0	24.0	24.0
45	15.0	15.0	15.0	1	0.0	20.0	20.0	20.0

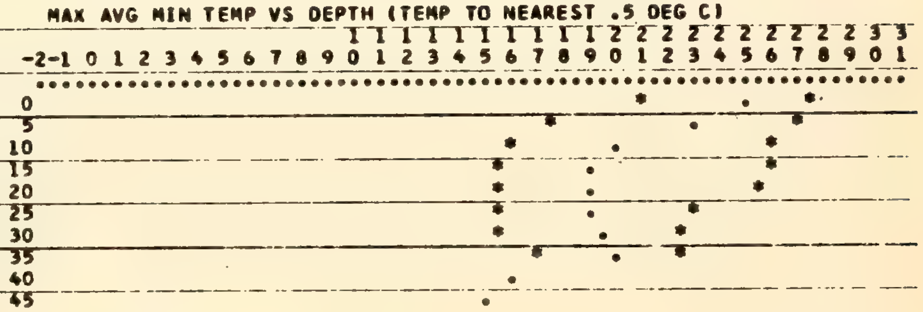
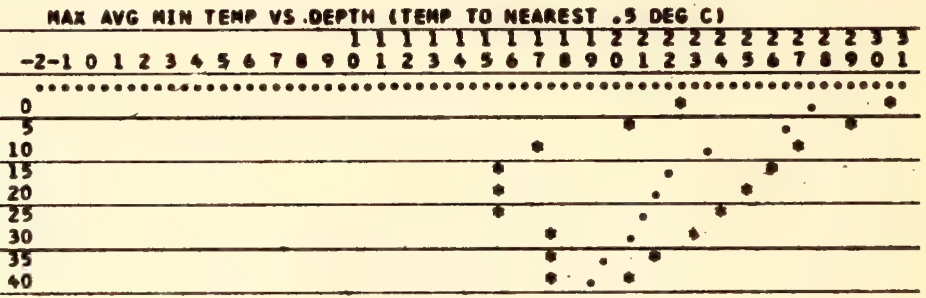


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 19 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	30.3	27.5	22.7	33	1.7	0.0	0.0	0.0
5	29.0	26.3	20.6	33	2.1	82.0	23.8	0.0
10	27.0	23.6	16.8	33	2.3	104.0	54.5	6.0
15	26.0	22.2	15.6	33	2.1	94.0	29.0	0.0
20	24.9	21.5	15.5	30	1.9	54.0	15.1	-6.0
25	23.8	20.8	15.5	19	2.2	60.0	10.0	0.0
30	23.0	20.4	17.7	11	1.9	34.0	12.0	-4.0
35	21.6	19.7	17.5	6	1.6	24.0	8.3	-2.0
40	20.3	18.9	17.4	3	1.4	8.0	3.3	0.0



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 19 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	26.7	26.0	25.3	27	0.3	0.0	0.0	0.0
5	26.7	26.0	25.3	27	0.3	4.0	0.5	-2.0
10	26.6	25.9	25.3	26	0.4	12.0	2.8	-2.0
15	26.6	25.7	24.9	23	0.5	28.0	3.2	-2.0
20	26.6	25.6	24.0	20	0.7	24.0	2.2	-10.0
25	26.4	24.8	21.7	7	1.5	56.0	8.6	-2.0
30	26.8	24.6	21.2	5	2.1	10.0	0.4	-8.0
35	26.0	25.4	24.8	2	0.8	0.0	-3.0	-6.0

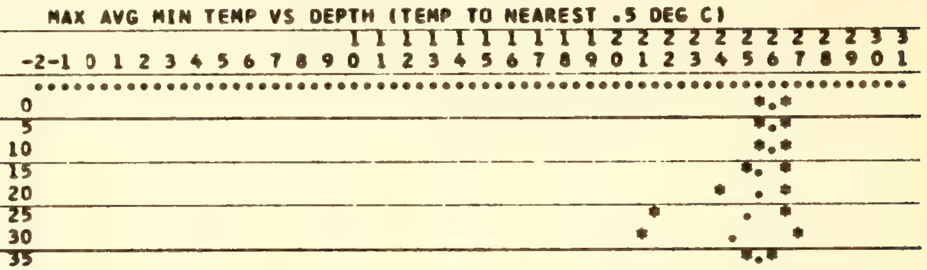


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 19 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV
0	26.7	25.6	24.8	28	0.4
5	26.7	25.2	24.5	28	0.4
10	26.7	25.0	23.8	28	0.5
15	25.7	24.7	23.6	26	0.5
20	25.6	24.8	23.8	17	0.4
25	24.9	24.5	24.0	7	0.3
30	24.5	24.2	23.7	3	0.4
35	24.5	24.3	24.2	2	0.2
40	24.2	24.1	24.1	2	0.0
45	24.1	23.6	23.1	2	0.7

GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0.0	0.0	0.0
18.0	6.5	0.0
18.0	4.8	0.0
22.0	4.8	0.0
10.0	2.0	0.0
12.0	5.1	0.0
10.0	5.3	2.0
4.0	2.0	0.0
6.0	4.0	2.0
22.0	11.0	0.0

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

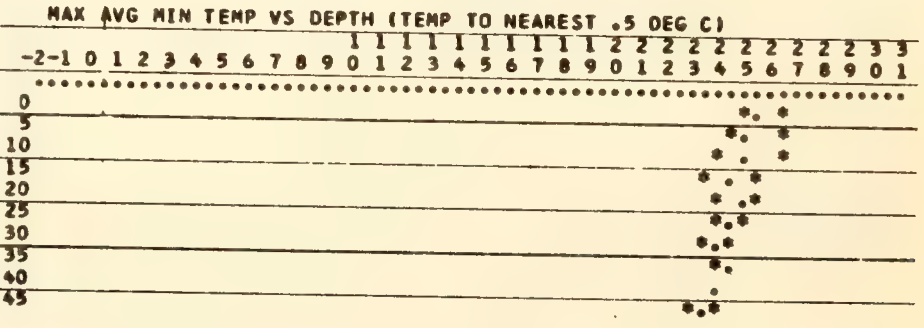
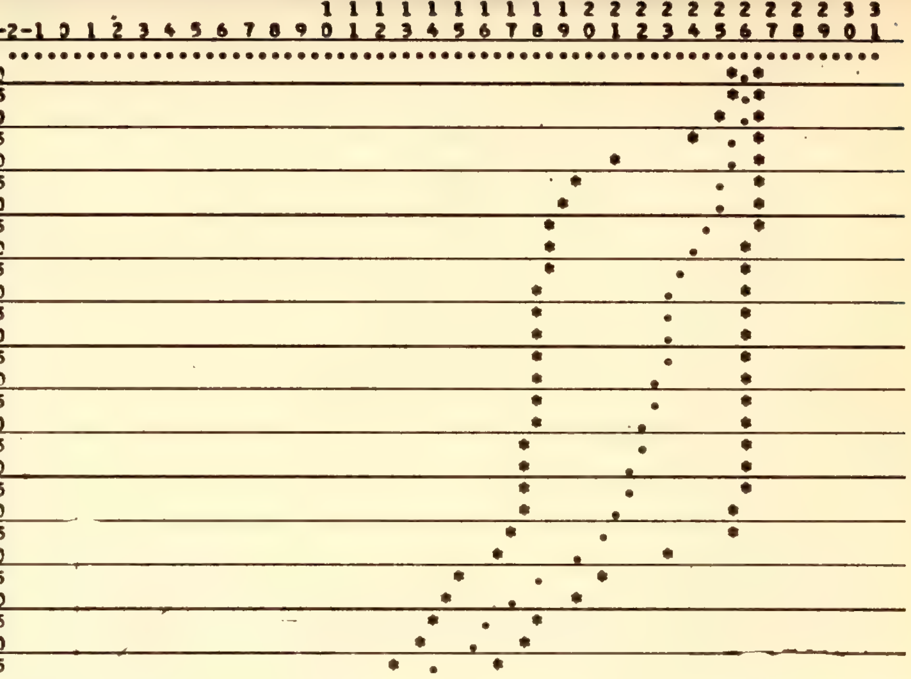


Table VI-1.—Continued

AREA 20 MONTH 1

DEPTH METERS	MAX	AVG	MIN.	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	26.6	25.9	25.5	13	0.2	0.0	0.0	0.0	0
5	26.6	25.9	25.5	13	0.2	4.0	0.5	0.0	5
10	26.6	25.8	25.2	13	0.3	8.0	1.7	0.0	10
15	26.6	25.7	24.0	13	0.5	24.0	2.2	0.0	15
20	26.6	25.4	21.1	13	1.3	58.0	4.8	0.0	20
25	26.6	25.2	19.7	13	1.7	28.0	4.5	0.0	25
30	26.5	24.8	18.9	13	2.1	56.0	8.8	0.0	30
35	26.4	24.4	18.7	13	2.4	54.0	8.3	0.0	35
40	26.2	24.1	18.3	13	2.6	16.0	6.0	0.0	40
45	26.1	23.7	18.3	13	2.7	24.0	6.2	0.0	45
50	26.1	23.2	18.2	13	2.9	66.0	11.4	0.0	50
55	26.0	22.9	18.0	13	2.9	12.0	4.6	0.0	55
60	26.0	23.1	18.2	12	2.7	16.0	5.0	0.0	60
65	26.0	22.9	18.2	12	2.8	10.0	3.8	0.0	65
70	26.0	22.6	18.2	12	2.8	22.0	6.7	0.0	70
75	25.9	22.3	18.0	12	2.9	22.0	5.7	0.0	75
80	25.9	22.0	17.8	12	3.0	18.0	5.5	0.0	80
85	25.8	21.8	17.7	12	3.0	12.0	5.0	0.0	85
90	25.8	21.6	17.6	12	3.0	8.0	4.5	0.0	90
95	25.8	21.3	17.5	12	2.9	14.0	5.8	0.0	95
100	25.6	20.8	17.3	12	2.9	22.0	8.7	2.0	100
125	25.4	20.5	17.2	12	2.7	20.0	5.7	0.0	125
150	23.1	19.3	16.3	11	2.5	9.2	6.1	2.8	150
175	20.6	17.9	15.2	11	2.0	11.6	5.5	2.0	175
200	19.4	16.9	14.6	11	1.8	6.0	4.0	1.2	200
225	18.2	16.2	14.2	11	1.6	7.2	3.1	1.2	225
250	17.5	15.5	13.4	10	1.5	6.0	3.1	2.0	250
275	16.5	14.0	12.4	6	1.4	9.2	4.3	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	DEPTH
0	26.8	24.9	22.2	115	1.2	0.0	0.0	0.0	0
5	26.8	24.9	22.2	115	1.3	14.0	0.6	-4.0	5
10	26.8	24.8	22.1	115	1.3	12.0	0.9	-6.0	10
15	26.8	24.8	22.0	115	1.3	20.0	1.2	-2.0	15
20	26.8	24.7	21.5	115	1.4	48.0	1.6	0.0	20
25	26.8	24.6	21.1	113	1.5	50.0	2.1	0.0	25
30	26.8	24.5	20.9	112	1.6	24.0	2.2	0.0	30
35	26.8	24.4	20.9	109	1.7	38.0	2.7	0.0	35
40	26.8	24.3	20.5	109	1.8	18.0	2.1	0.0	40
45	26.9	24.2	20.2	106	1.9	22.0	2.2	0.0	45
50	26.8	24.1	19.6	106	1.9	20.0	2.5	0.0	50
55	26.7	24.0	19.5	105	2.0	24.0	3.0	0.0	55
60	26.6	23.8	18.9	104	2.1	72.0	3.7	0.0	60
65	26.6	23.7	18.5	104	2.2	18.0	2.7	0.0	65
70	26.6	23.5	18.0	104	2.3	20.0	3.2	0.0	70
75	26.6	23.4	17.6	102	2.4	22.0	3.5	0.0	75
80	26.6	23.2	17.4	102	2.4	24.0	3.4	0.0	80
85	26.6	23.1	17.3	100	2.5	16.0	3.3	0.0	85
90	26.6	23.0	17.2	98	2.6	22.0	3.9	0.0	90
95	26.4	22.9	16.9	94	2.6	26.0	4.2	0.0	95
100	26.2	22.6	16.7	94	2.7	28.0	4.9	0.0	100
125	26.2	22.4	16.6	94	2.8	24.0	5.3	0.0	125
150	25.8	21.1	14.8	87	3.1	26.8	6.0	0.0	150
175	25.2	19.7	13.6	83	3.0	18.0	6.3	1.2	175
200	23.8	18.4	13.1	80	2.6	11.2	5.6	0.0	200
225	21.9	17.3	12.5	77	2.4	11.2	4.9	0.4	225
250	20.4	16.4	11.9	72	2.2	10.8	4.9	1.2	250
275	19.1	15.8	11.2	56	2.0	9.4	3.7	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

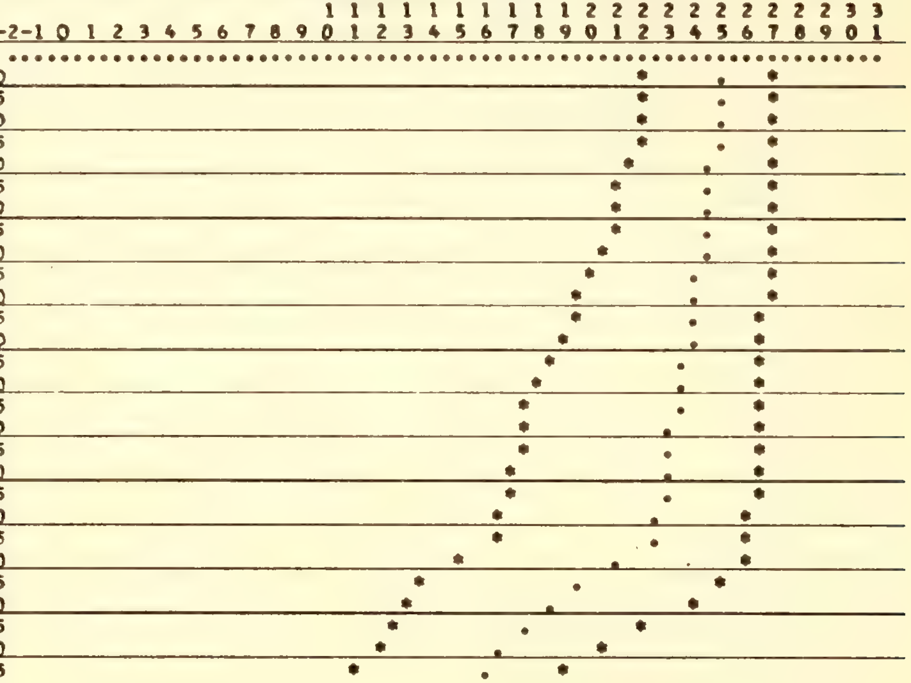
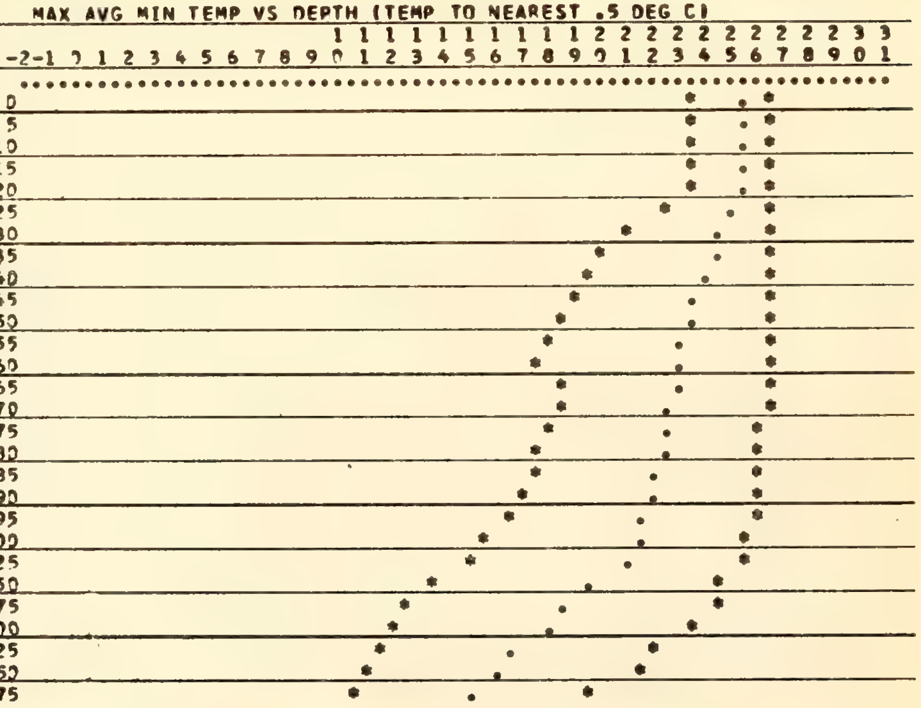


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.5	25.7	23.5	38	0.5	0.0	0.0	0.0	0
5	26.5	25.7	23.6	38	0.5	12.0	0.9	-4.0	5
10	26.5	25.6	23.6	38	0.5	6.0	0.8	-2.0	10
15	26.5	25.6	23.6	38	0.5	8.0	0.9	-2.0	15
20	26.4	25.4	23.6	38	0.7	30.0	4.0	0.0	20
25	26.4	25.1	22.5	38	1.0	34.0	5.3	0.0	25
30	26.4	24.7	21.1	38	1.4	40.0	8.6	0.0	30
35	26.4	24.3	19.9	38	1.8	32.0	7.9	0.0	35
40	26.4	23.9	19.6	38	2.0	32.0	8.1	-4.0	40
45	26.4	23.5	18.9	38	2.4	36.0	7.7	0.0	45
50	26.4	23.3	18.6	37	2.5	22.0	6.9	0.0	50
55	26.4	23.0	18.1	37	2.7	20.0	6.1	0.0	55
60	26.4	22.8	17.4	36	2.9	22.0	5.7	-2.0	60
65	26.4	22.9	18.6	33	2.9	28.0	5.1	0.0	65
70	26.3	22.7	18.3	33	3.0	16.0	3.9	-2.2	70
75	26.2	22.7	18.1	31	3.1	16.0	4.3	0.0	75
80	26.1	22.4	17.7	31	3.3	14.0	5.0	0.0	80
85	26.1	22.2	17.3	31	3.4	22.0	5.9	0.0	85
90	25.9	21.9	17.0	31	3.5	24.0	5.6	0.0	90
95	25.8	21.6	16.4	31	3.6	14.0	5.2	0.0	95
100	25.7	21.4	15.7	31	3.7	14.0	4.5	0.0	100
125	25.6	21.1	15.0	31	3.8	14.0	5.0	0.0	125
150	24.5	19.7	13.3	30	3.5	14.8	6.2	0.0	150
175	24.5	18.6	12.4	25	3.1	14.8	5.8	0.0	175
200	23.6	17.8	11.8	22	2.9	9.2	5.0	1.2	200
225	22.1	16.7	11.3	21	2.9	8.0	4.4	1.6	225
250	21.3	15.9	11.0	19	2.9	8.0	3.9	1.2	250
275	19.3	14.9	10.5	14	2.7	4.8	2.2	0.8	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.8	25.9	23.8	82	0.5	0.0	0.0	0.0	0
5	26.8	25.9	23.8	82	0.5	8.0	0.7	-6.0	5
10	26.8	25.8	23.8	82	0.6	24.0	1.7	-2.0	10
15	26.8	25.7	23.7	82	0.7	20.0	2.8	-2.0	15
20	26.7	25.4	23.2	82	0.9	28.0	5.1	-4.0	20
25	26.7	24.7	18.5	82	1.7	138.0	13.3	-2.0	25
30	26.6	24.4	18.1	92	2.0	74.0	6.7	-4.0	30
35	26.6	24.1	18.1	81	2.2	68.0	8.3	0.0	35
40	26.6	23.8	17.6	79	2.3	66.0	6.2	0.0	40
45	26.6	23.6	16.8	76	2.4	90.0	7.3	0.0	45
50	26.3	23.3	16.4	76	2.6	40.0	7.1	0.0	50
55	26.1	22.9	15.8	76	2.8	42.0	7.4	0.0	55
60	26.1	22.7	15.6	73	3.0	28.0	5.0	-40.0	60
65	26.1	23.1	15.4	57	3.1	30.0	4.8	-10.0	65
70	26.1	23.0	15.2	56	3.2	22.0	3.8	0.0	70
75	26.0	22.8	15.1	55	3.2	20.0	4.5	0.0	75
80	25.9	22.6	14.9	53	3.3	24.0	4.8	0.0	80
85	25.7	22.3	14.7	52	3.3	48.0	7.0	0.0	85
90	25.7	22.0	14.4	52	3.3	32.0	6.4	0.0	90
95	25.6	21.8	14.3	51	3.4	18.0	5.4	0.0	95
100	25.6	21.5	14.2	51	3.5	16.0	4.5	0.0	100
125	25.6	21.2	14.1	51	3.5	14.0	6.0	0.0	125
150	24.8	19.6	12.9	51	3.3	15.2	6.6	1.2	150
175	22.5	17.7	12.5	33	3.2	12.4	5.8	0.0	175
200	21.3	17.2	11.7	28	2.8	8.0	4.7	2.4	200
225	19.6	16.2	10.9	25	2.8	6.8	3.6	0.8	225
250	18.3	14.9	10.9	11	2.8	6.4	3.9	0.4	250
275	16.2	15.1	14.2	3	1.0	4.4	3.3	2.0	275

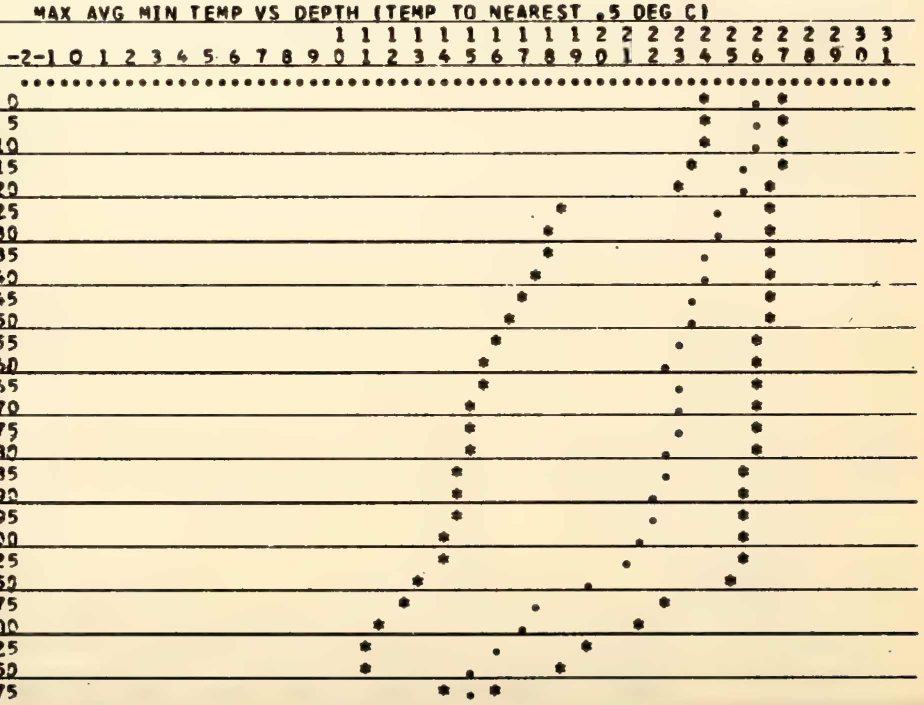
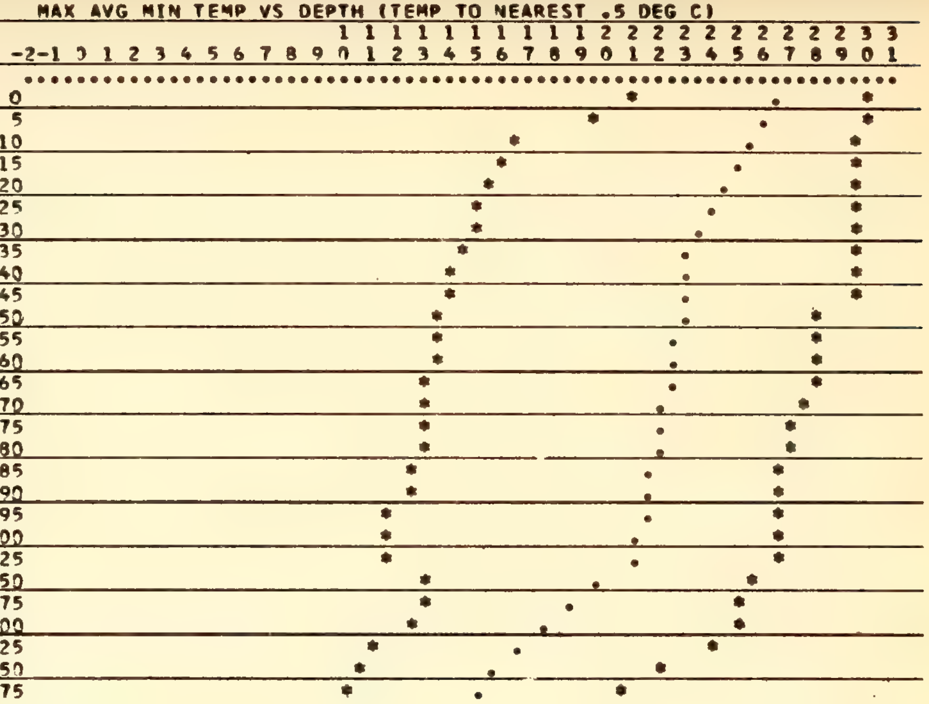


Table VI-1.--Continued

AREA 20 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.0	26.5	21.2	489	1.2	0.0	0.0	0.0	0
5	29.8	26.2	19.4	489	1.6	130.0	5.0	-24.0	5
10	29.7	25.5	16.7	489	2.7	184.0	13.7	-6.0	10
15	29.7	24.9	15.8	484	3.2	138.0	14.5	-4.0	15
20	29.7	24.3	15.4	468	3.4	174.0	14.3	-24.0	20
25	29.7	24.1	14.9	428	3.5	164.0	14.3	-6.0	25
30	29.7	23.6	14.9	411	3.6	130.0	12.7	-2.0	30
35	29.7	23.2	14.7	389	3.8	146.0	12.4	-2.0	35
40	29.6	23.2	14.1	359	3.7	88.0	10.4	-2.0	40
45	29.4	22.9	13.9	348	3.8	142.0	8.6	-2.0	45
50	28.2	22.8	13.6	337	3.8	68.0	7.1	0.0	50
55	28.2	22.7	13.4	323	3.8	100.0	7.1	-2.0	55
60	28.0	22.4	13.3	318	3.9	60.0	6.1	-6.0	60
65	27.8	22.5	12.9	287	3.8	50.0	5.9	-4.0	65
70	27.5	22.2	12.8	285	3.9	32.0	6.4	-6.0	70
75	27.2	22.1	12.8	274	3.9	28.0	5.1	0.0	75
80	27.0	21.9	12.8	268	3.9	30.0	5.8	0.0	80
85	26.6	21.7	12.7	264	4.0	36.0	5.5	-6.0	85
90	26.6	21.4	12.3	261	4.0	32.0	5.6	0.0	90
95	26.5	21.3	11.7	253	4.0	90.0	6.0	0.0	95
100	26.5	21.0	11.6	253	4.0	34.0	5.9	0.0	100
125	26.5	20.8	11.6	244	3.9	30.0	6.0	0.0	125
150	25.7	19.7	12.8	232	3.7	19.2	5.7	0.0	150
175	25.2	18.6	12.9	201	3.5	18.4	5.5	0.0	175
200	24.9	17.4	12.4	192	3.1	13.2	5.0	0.0	200
225	24.0	16.5	11.0	176	2.8	11.6	4.4	0.0	225
250	22.1	15.7	10.5	134	2.6	8.8	3.7	0.0	250
275	20.3	15.2	10.1	103	2.5	7.2	3.6	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

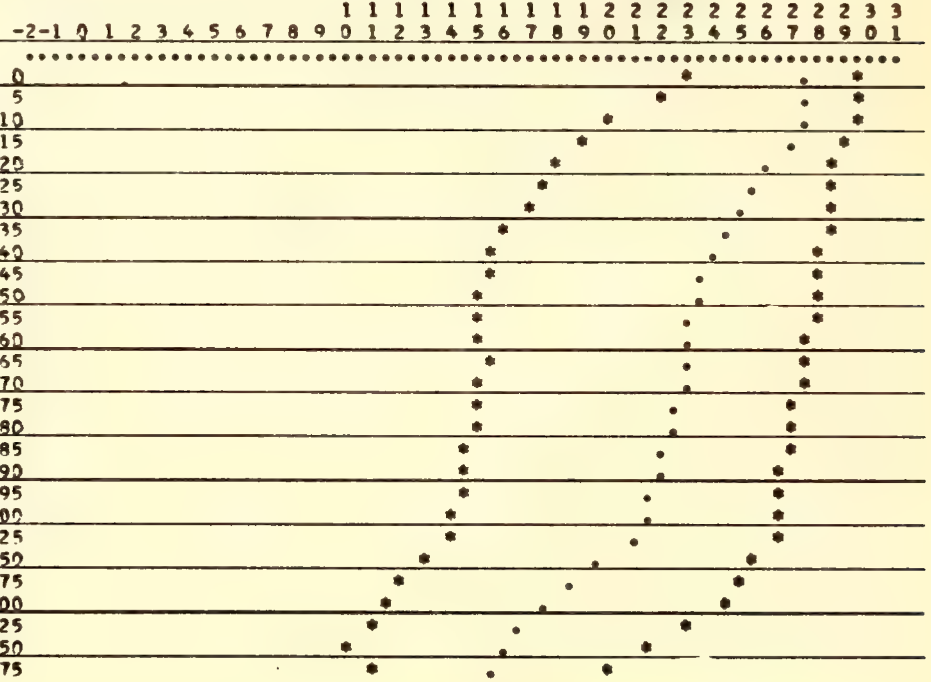


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.5	27.7	23.1	153	0.6	0.0	0.0	0.0	0
5	29.6	27.6	22.2	153	0.8	72.0	2.9	-2.0	5
10	29.5	27.3	20.2	153	1.2	74.0	5.8	0.0	10
15	28.9	26.8	19.2	153	1.8	114.0	10.3	0.0	15
20	28.6	26.2	17.9	153	2.3	148.0	11.8	-8.0	20
25	28.5	25.4	17.4	153	2.7	172.0	15.4	0.0	25
30	28.5	24.8	17.2	151	3.1	100.0	13.4	-4.0	30
35	28.4	24.4	16.2	144	3.2	86.0	12.2	-6.0	35
40	28.2	24.0	15.7	140	3.4	48.0	9.7	0.0	40
45	27.9	23.7	15.5	137	3.6	68.0	9.9	0.0	45
50	27.8	23.4	15.1	135	3.6	32.0	6.7	-34.0	50
55	27.8	23.1	15.0	134	3.7	36.0	6.4	0.0	55
60	27.6	22.8	14.9	134	3.8	34.0	5.7	-6.0	60
65	27.5	23.2	15.3	116	3.7	36.0	5.4	-2.0	65
70	27.4	22.9	15.1	115	3.8	32.0	5.7	0.0	70
75	27.1	22.6	15.0	110	3.9	24.0	5.6	0.0	75
80	26.9	22.4	14.8	109	3.9	36.0	5.2	0.0	80
85	26.8	22.1	14.6	109	4.0	32.0	6.2	0.0	85
90	26.7	21.8	14.4	109	4.0	22.0	5.8	0.0	90
95	26.6	21.5	14.3	108	4.0	16.0	5.0	0.0	95
100	26.4	21.3	14.2	107	4.0	30.0	6.1	0.0	100
125	26.4	21.0	14.1	106	4.0	28.0	6.2	0.0	125
150	25.6	19.7	13.0	101	3.9	17.6	5.9	1.2	150
175	25.0	18.5	12.0	96	3.7	15.2	5.4	0.0	175
200	24.5	17.5	11.4	91	3.3	11.6	5.1	0.4	200
225	22.9	16.6	11.0	83	3.0	8.8	4.4	0.4	225
250	21.3	16.1	10.2	67	2.8	7.2	3.8	0.0	250
275	20.0	15.6	10.9	43	2.5	7.2	3.5	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

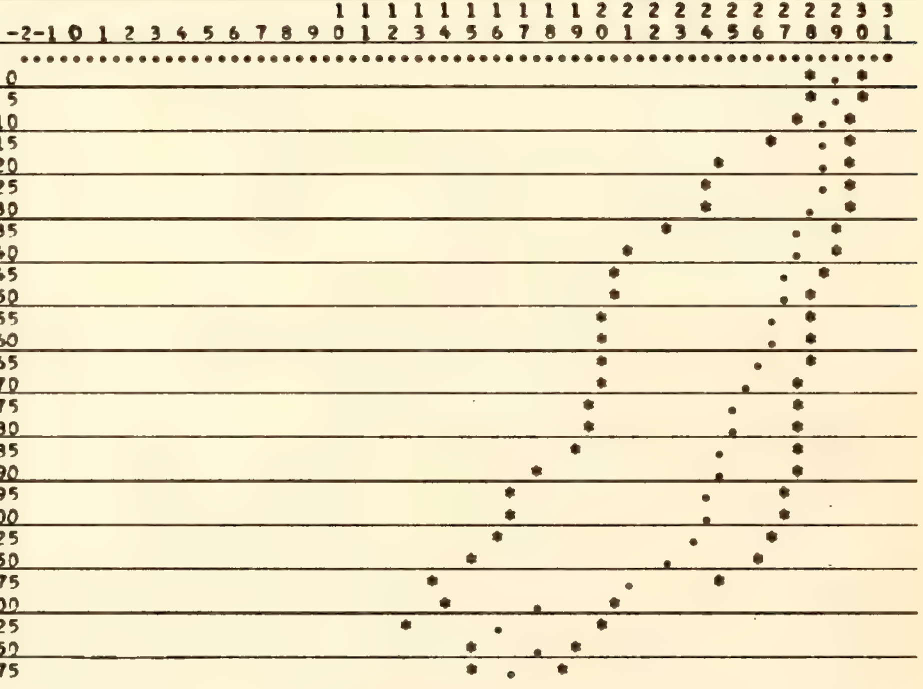


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.8	28.9	28.2	23	0.5	0.0	0.0	0.0	0
5	29.8	28.8	27.9	23	0.5	12.0	2.2	-2.0	5
10	29.7	28.7	27.6	23	0.5	6.0	1.4	0.0	10
15	29.7	28.6	26.4	23	0.7	24.0	2.3	0.0	15
20	29.6	28.4	24.7	23	1.0	34.0	3.3	0.0	20
25	29.5	28.3	23.9	23	1.1	16.0	3.6	0.0	25
30	29.4	28.1	23.8	23	1.1	10.0	3.6	0.0	30
35	29.1	27.7	22.5	23	1.4	32.0	7.2	0.0	35
40	28.8	27.4	21.2	23	1.6	26.0	6.2	0.0	40
45	28.5	27.2	20.7	23	1.7	20.0	4.6	0.0	45
50	28.1	26.9	20.3	23	1.8	18.0	5.5	0.0	50
55	27.9	26.6	19.9	23	1.9	22.0	6.1	0.0	55
60	27.8	26.3	19.9	23	1.9	22.0	7.2	0.0	60
65	27.8	25.8	19.9	23	2.1	36.0	8.1	0.0	65
70	27.7	25.4	19.8	23	2.3	42.0	8.1	2.0	70
75	27.7	25.2	19.7	23	2.4	14.0	5.0	0.0	75
80	27.7	25.0	19.6	23	2.5	16.0	4.3	0.0	80
85	27.5	24.7	18.8	23	2.6	16.0	5.0	0.0	85
90	27.3	24.4	17.6	23	2.8	24.0	6.6	0.0	90
95	27.1	24.1	16.7	23	3.1	22.0	5.5	0.0	95
100	26.8	23.9	16.3	23	3.1	8.0	3.8	0.0	100
125	26.6	23.7	16.0	23	3.2	8.0	4.1	0.0	125
150	25.8	22.5	15.0	23	3.4	8.4	4.7	0.8	150
175	24.7	21.0	13.6	23	3.3	9.6	6.2	2.4	175
200	20.7	17.7	13.9	11	2.3	6.8	5.2	3.6	200
225	19.9	16.1	12.7	8	2.4	4.8	3.8	2.4	225
250	19.2	17.3	15.0	3	2.1	4.0	3.6	2.8	250
275	18.4	16.6	14.9	2	2.4	3.2	1.8	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.1	29.0	27.2	87	0.6	0.0	0.0	0.0	0
5	29.9	28.8	27.2	87	0.5	14.0	2.4	-4.0	5
10	29.9	28.6	23.9	87	0.8	70.0	3.8	0.0	10
15	29.8	28.4	20.7	87	1.2	64.0	4.4	-2.0	15
20	29.8	28.0	18.7	87	1.7	76.0	8.1	-2.0	20
25	29.8	27.5	18.6	87	2.4	124.0	11.1	-2.0	25
30	29.8	27.0	18.4	87	2.8	72.0	9.1	0.0	30
35	29.6	26.7	18.3	84	3.1	66.0	7.0	0.0	35
40	29.3	26.4	16.7	83	3.2	42.0	7.7	0.0	40
45	29.4	26.2	16.2	82	3.3	28.0	7.5	-2.0	45
50	29.0	25.8	16.1	92	3.3	22.0	7.8	0.0	50
55	28.5	25.5	15.8	81	3.2	28.0	7.7	0.0	55
60	28.3	25.1	15.5	81	3.3	28.0	7.6	0.0	60
65	28.1	24.7	15.1	80	3.4	32.0	8.1	0.0	65
70	27.9	24.3	15.0	80	3.4	28.0	6.9	0.0	70
75	27.8	24.0	14.9	80	3.4	32.0	6.7	0.0	75
80	27.7	23.7	14.9	80	3.5	22.0	6.5	0.0	80
85	27.4	23.3	14.9	80	3.5	36.0	7.2	0.0	85
90	27.3	23.0	14.9	80	3.5	30.0	7.0	0.0	90
95	27.2	22.7	14.9	80	3.5	28.0	6.3	-2.0	95
100	26.9	22.3	14.7	80	3.5	24.0	6.3	0.0	100
125	26.6	22.0	14.2	80	3.5	38.0	6.9	0.0	125
150	25.9	20.7	13.3	75	3.1	16.8	6.4	0.8	150
175	25.2	19.2	12.4	70	3.0	22.4	6.4	0.4	175
200	24.0	17.6	11.9	59	2.6	10.4	5.3	0.8	200
225	21.9	16.4	11.7	59	2.3	8.8	4.7	0.4	225
250	20.2	15.3	10.7	51	2.3	9.2	4.2	0.4	250
275	19.3	14.3	10.3	37	2.4	7.6	4.0	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

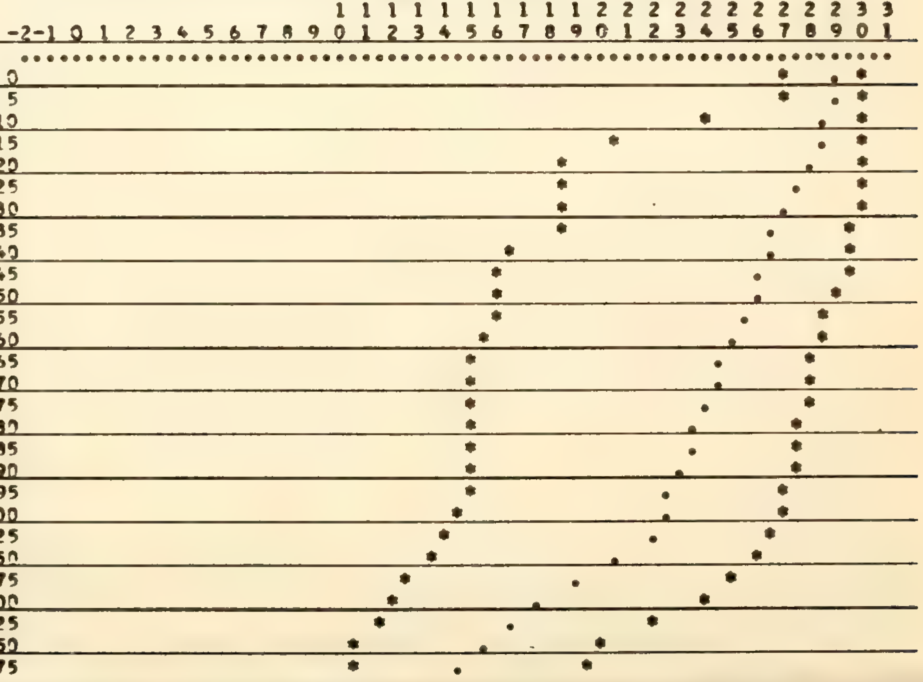
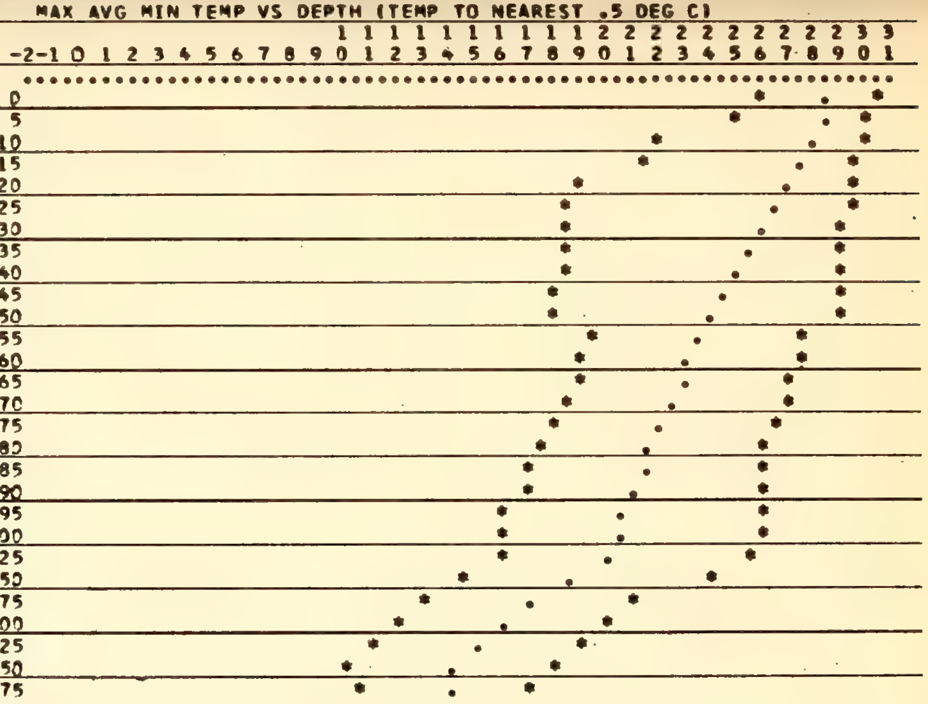


Table VI-1.—Continued

AREA 20 MONTH 9

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	30.3	28.7	26.2	90	0.9	0.0	0.0	0.0	0
5	30.0	28.5	24.8	90	1.0	52.0	4.1	-2.0	5
10	29.8	28.1	22.1	90	1.6	88.0	7.4	-4.0	10
15	29.6	27.7	21.3	90	2.1	110.0	8.7	-10.0	15
20	29.5	27.2	18.8	88	2.5	160.0	12.1	0.0	20
25	29.4	26.6	18.4	86	2.7	154.0	13.7	0.0	25
30	29.2	26.0	18.4	84	2.7	56.0	13.8	-2.0	30
35	29.2	25.4	18.3	82	2.7	58.0	12.2	0.0	35
40	29.0	25.1	18.3	77	2.5	76.0	12.0	0.0	40
45	29.0	24.7	18.2	75	2.4	58.0	12.4	0.0	45
50	29.0	24.1	18.1	74	2.3	38.0	11.8	0.0	50
55	27.5	23.6	19.4	72	2.2	46.0	10.7	0.0	55
60	27.5	23.1	19.2	68	2.2	36.0	10.1	0.0	60
65	27.2	22.8	19.0	61	2.2	46.0	10.3	0.0	65
70	27.0	22.4	18.5	58	2.3	44.0	9.9	2.0	70
75	26.6	21.9	18.1	57	2.4	36.0	9.1	0.0	75
80	26.2	21.6	17.5	57	2.5	28.0	7.4	0.0	80
85	26.0	21.3	17.1	55	2.5	24.0	6.6	0.0	85
90	26.0	20.9	16.8	55	2.5	38.0	7.5	0.0	90
95	26.0	20.6	16.0	54	2.5	22.0	7.3	0.0	95
100	25.9	20.3	15.9	54	2.5	24.0	6.1	0.0	100
125	25.7	19.9	15.8	53	2.5	26.0	6.6	0.0	125
150	23.8	18.5	14.4	48	2.2	14.8	6.3	1.2	150
175	20.8	17.1	13.2	44	2.0	12.0	6.1	0.8	175
200	20.1	16.0	12.0	42	2.0	8.0	4.4	1.2	200
225	18.9	14.9	10.9	39	2.0	7.2	4.0	0.4	225
250	18.0	13.8	10.0	31	2.1	6.4	3.3	0.4	250
275	17.1	13.9	10.7	13	2.0	6.4	3.3	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20 MONTH 10

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	29.3	27.3	24.9	173	0.9	0.0	0.0	0.0	0
5	29.3	27.3	24.9	173	0.9	4.0	0.0	-12.0	5
10	29.3	27.3	22.6	173	0.9	60.0	0.7	-2.0	10
15	29.3	27.3	21.0	172	1.0	64.0	1.2	-6.0	15
20	29.3	27.3	18.0	165	1.1	90.0	1.8	-4.0	20
25	29.3	27.2	17.0	161	1.2	44.0	1.8	-4.0	25
30	29.3	27.1	16.9	157	1.3	66.0	2.7	-2.0	30
35	29.3	27.0	18.8	151	1.3	54.0	2.8	-2.0	35
40	29.2	26.9	16.5	145	1.4	46.0	3.3	-6.0	40
45	29.2	26.8	23.4	141	1.2	32.0	4.1	-2.0	45
50	29.2	26.6	22.9	140	1.3	42.0	4.7	0.0	50
55	29.1	26.3	22.3	139	1.5	60.0	5.1	-2.0	55
60	29.1	26.1	22.1	139	1.5	54.0	5.6	-2.0	60
65	28.9	25.9	22.3	128	1.5	32.0	6.3	-2.0	65
70	28.9	25.6	21.6	127	1.6	30.0	6.8	0.0	70
75	28.7	25.2	20.7	126	1.7	36.0	7.8	0.0	75
80	28.4	24.9	20.0	126	1.9	32.0	6.7	0.0	80
85	28.3	24.5	19.1	125	1.9	36.0	7.1	-2.0	85
90	28.2	24.2	18.6	124	2.0	58.0	6.5	-2.0	90
95	28.1	23.9	17.6	123	2.1	38.0	6.4	-46.0	95
100	27.8	23.5	17.6	123	2.1	26.0	6.9	0.0	100
125	27.7	23.3	17.4	123	2.2	28.0	5.6	0.0	125
150	26.9	21.7	16.7	120	2.2	12.0	6.4	2.0	150
175	25.2	20.2	15.0	119	2.0	13.6	6.2	1.6	175
200	22.9	18.6	13.3	117	1.6	19.6	6.1	1.2	200
225	21.3	17.4	14.4	106	1.5	12.0	5.3	0.4	225
250	20.1	16.4	13.7	96	1.4	13.2	4.2	0.8	250
275	19.2	15.2	12.9	82	1.2	8.8	3.7	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

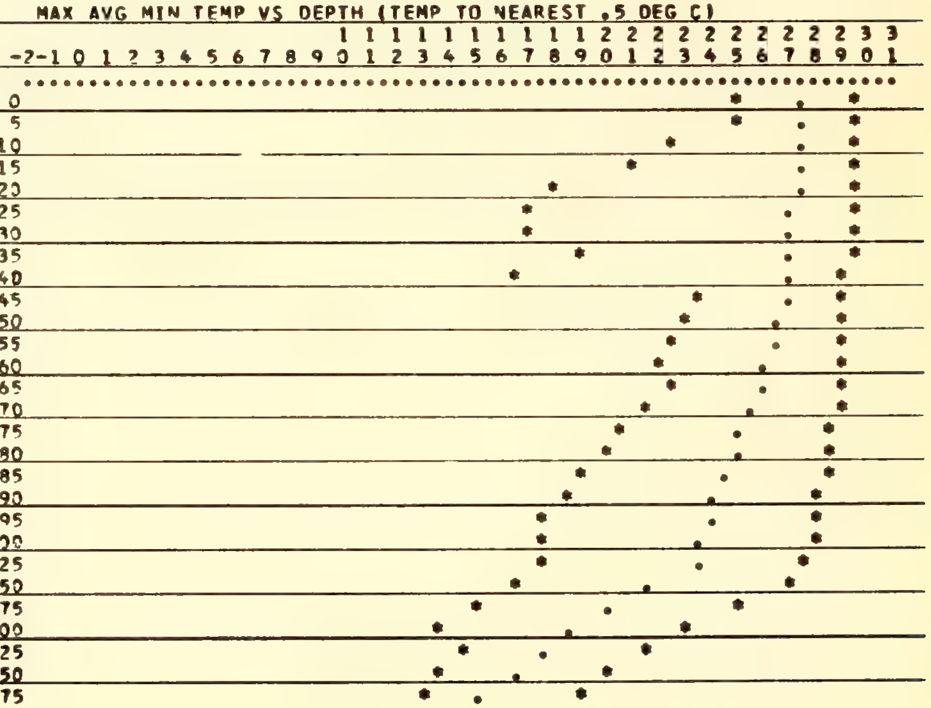
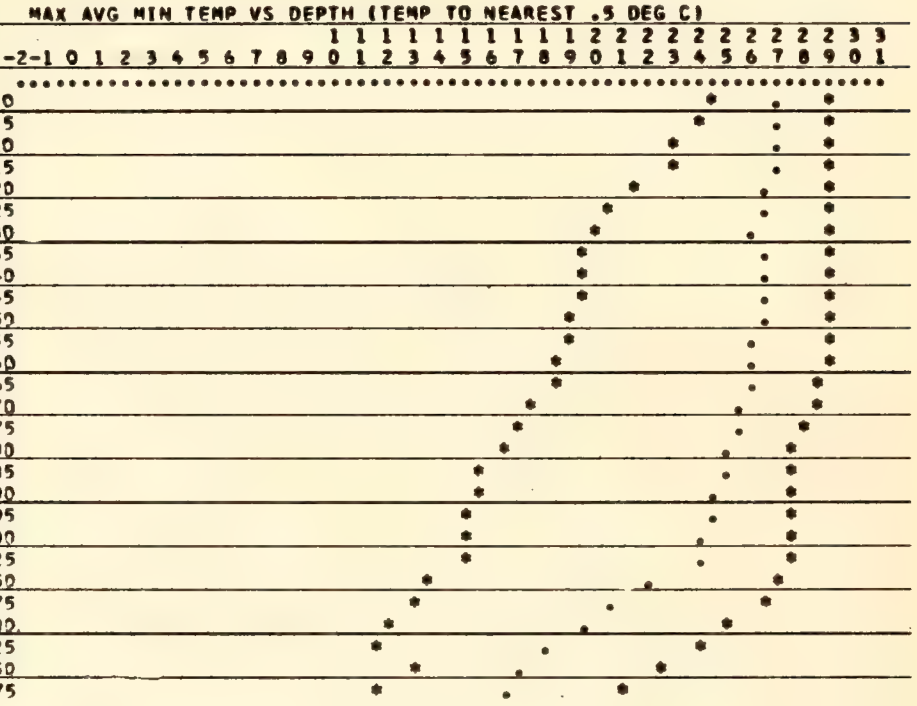


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20   MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	
0	29.1	27.1	24.3	202	0.8	0.0	0.0	0.0	0
5	29.0	27.1	24.0	202	0.9	16.0	0.4	-24.0	5
10	29.0	27.1	23.2	202	0.9	26.0	0.9	-6.0	10
15	29.0	27.0	23.1	201	1.0	30.0	2.0	-2.0	15
20	29.0	26.7	21.4	200	1.2	44.0	5.2	-2.0	20
25	29.0	26.5	20.3	193	1.4	38.0	6.1	0.0	25
30	28.9	26.2	20.1	192	1.5	58.0	5.7	-4.0	30
35	28.9	26.4	19.7	151	1.6	24.0	2.5	-4.0	35
40	28.9	26.6	19.6	130	1.5	28.0	2.2	0.0	40
45	28.9	26.6	19.4	127	1.6	26.0	2.8	-2.0	45
50	28.9	26.4	19.2	126	1.9	60.0	3.7	0.0	50
55	28.8	26.2	19.0	125	2.1	42.0	3.9	-4.0	55
60	28.8	26.0	18.7	125	2.2	28.0	4.0	0.0	60
65	28.6	25.9	18.4	123	2.2	22.0	4.0	0.0	65
70	28.6	25.7	17.4	122	2.4	30.0	5.1	0.0	70
75	27.9	25.4	17.1	121	2.6	60.0	5.8	0.0	75
80	27.7	25.2	16.7	118	2.6	34.0	5.4	-2.0	80
85	27.7	25.0	15.7	117	2.6	20.0	5.2	0.0	85
90	27.7	24.7	15.5	116	2.7	24.0	6.0	0.0	90
95	27.7	24.4	15.2	115	2.7	56.0	7.3	0.0	95
100	27.7	24.1	15.0	115	2.8	30.0	6.1	0.0	100
125	27.5	23.8	14.8	115	2.8	26.0	6.5	0.0	125
150	26.9	22.2	13.5	112	2.9	18.4	6.7	0.0	150
175	26.5	20.7	12.8	107	3.0	16.8	6.4	0.0	175
200	25.1	19.3	12.1	106	2.8	16.8	5.8	0.8	200
225	24.2	18.0	11.4	104	2.5	10.8	5.2	1.2	225
250	22.3	17.1	12.9	100	2.3	13.6	4.5	0.0	250
275	20.8	16.4	11.4	86	2.2	7.2	3.7	0.4	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20   MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	
0	26.5	25.4	24.9	17	0.4	0.0	0.0	0.0	0
5	26.4	25.4	24.9	17	0.4	2.0	0.4	0.0	5
10	26.4	25.3	24.9	17	0.4	2.0	0.1	0.0	10
15	26.3	25.3	24.9	17	0.3	2.0	0.5	0.0	15
20	26.2	25.3	24.9	17	0.3	2.0	0.4	0.0	20
25	26.0	25.2	24.9	17	0.3	8.0	1.2	0.0	25
30	25.6	25.1	24.0	17	0.4	20.0	3.2	0.0	30
35	25.6	24.9	23.6	17	0.5	20.0	3.5	0.0	35
40	25.6	24.6	23.3	17	0.7	22.0	5.4	0.0	40
45	25.6	24.4	22.3	17	1.0	20.0	5.2	0.0	45
50	25.6	24.2	22.0	17	1.1	12.0	4.1	0.0	50
55	25.3	23.7	21.7	17	1.2	28.0	9.6	2.0	55
60	24.9	22.9	21.3	17	1.2	36.0	14.9	2.0	60
65	23.7	22.1	20.8	17	0.8	42.0	16.5	4.0	65
70	23.2	21.6	20.3	17	0.7	22.0	11.1	4.0	70
75	22.6	21.0	19.8	17	0.6	28.0	12.2	2.0	75
80	22.0	20.5	19.3	17	0.6	20.0	9.5	2.0	80
85	21.7	20.2	19.2	17	0.6	12.0	6.1	2.0	85
90	21.5	19.8	19.1	17	0.6	14.0	6.9	2.0	90
95	21.1	19.5	18.6	17	0.6	10.0	6.7	2.0	95
100	20.5	19.2	18.4	17	0.5	12.0	6.1	2.0	100
125	20.1	18.9	18.2	17	0.5	10.0	5.9	2.0	125
150	18.8	17.5	16.8	17	0.5	9.6	5.5	4.4	150
175	17.0	16.1	15.7	15	0.4	7.2	5.0	3.2	175
200	16.1	15.0	14.2	15	0.4	6.8	4.6	3.2	200
225	15.1	13.9	13.1	15	0.5	7.2	4.2	2.8	225
250	14.2	13.0	11.7	15	0.6	5.6	3.8	2.0	250
275	13.3	12.2	11.6	13	0.5	5.2	3.4	2.0	275

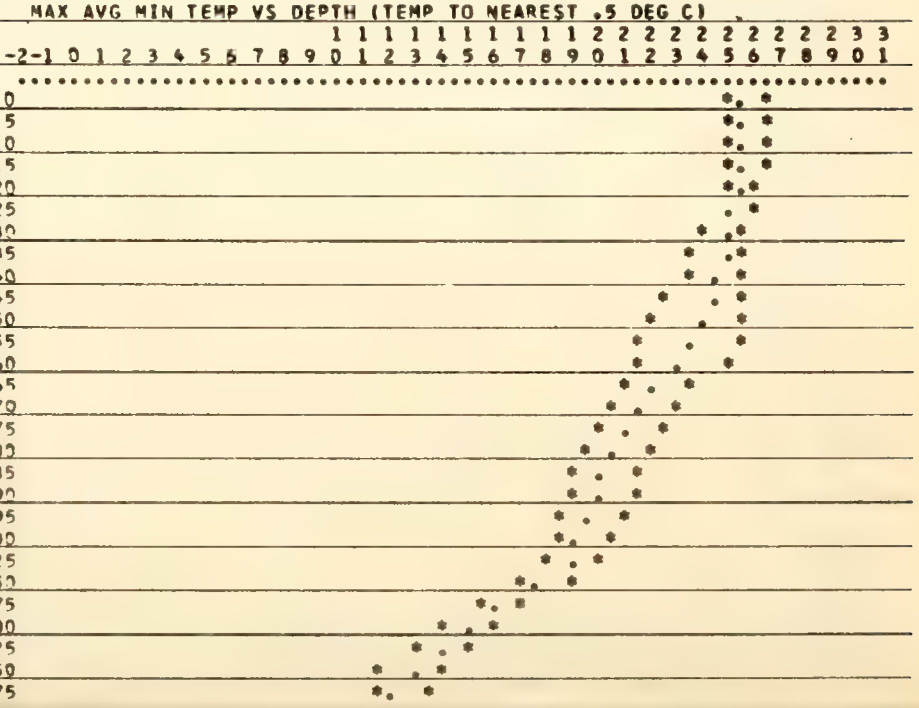


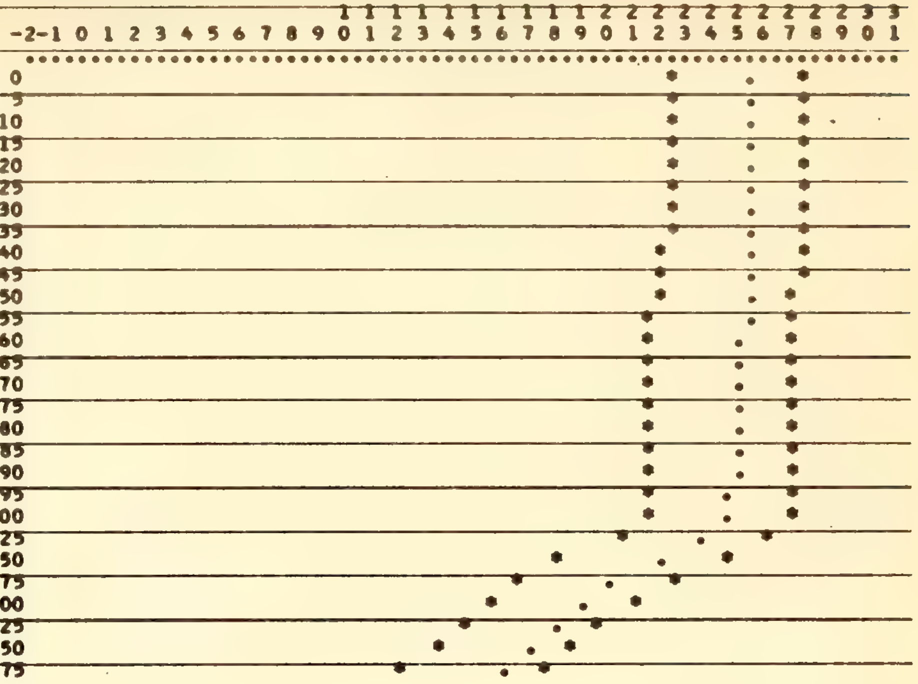
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20A MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	27.7	25.6	22.5	40	0.9	0.0	0.0	0.0	0
5	27.6	25.6	22.5	4C	0.9	2.0	0.1	-2.0	5
10	27.4	25.5	22.5	40	0.9	8.0	0.4	0.0	10
15	27.4	25.5	22.5	40	0.9	6.0	0.4	0.0	15
20	27.4	25.5	22.5	40	0.9	4.0	0.3	0.0	20
25	27.4	25.5	22.4	40	0.9	2.0	0.1	0.0	25
30	27.4	25.5	22.3	4C	0.9	6.0	0.4	-2.0	30
35	27.4	25.5	22.3	40	0.9	6.0	0.5	0.0	35
40	27.3	25.4	22.2	40	0.9	4.0	0.7	0.0	40
45	27.3	25.4	22.0	40	0.9	4.0	0.6	0.0	45
50	27.2	25.3	21.8	40	0.9	16.0	0.9	0.0	50
55	27.2	25.3	21.7	40	1.0	24.0	1.2	0.0	55
60	27.2	25.2	21.7	40	1.0	8.0	0.7	0.0	60
65	27.2	25.2	21.7	40	1.0	8.0	1.0	0.0	65
70	27.2	25.1	21.7	40	1.0	8.0	0.8	0.0	70
75	27.2	25.1	21.7	40	1.1	10.0	1.3	0.0	75
80	27.2	25.0	21.6	40	1.1	10.0	1.5	0.0	80
85	27.2	24.9	21.6	40	1.1	10.0	1.3	0.0	85
90	27.1	24.9	21.6	40	1.1	10.0	1.4	0.0	90
95	27.1	24.7	21.5	39	1.1	10.0	2.1	0.0	95
100	27.2	24.6	21.3	39	1.2	12.0	3.0	-2.0	100
125	25.8	23.5	20.4	38	1.4	10.4	4.1	0.0	125
150	24.5	21.8	18.1	36	1.5	10.0	6.1	0.4	150
175	22.4	20.2	16.6	36	1.3	10.4	6.4	2.8	175
200	20.9	18.9	15.4	36	1.3	8.8	5.3	2.8	200
225	19.5	17.8	14.3	34	1.2	6.4	4.2	2.4	225
250	18.5	16.9	13.3	23	1.5	5.2	3.9	2.4	250
275	17.6	15.9	12.2	6	2.1	5.6	3.7	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20A MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.8	25.5	22.5	190	0.5	0.0	0.0	0.0	0
5	26.7	25.5	22.4	19C	0.5	8.0	0.2	-2.0	5
10	26.7	25.5	22.3	190	0.6	30.0	0.4	0.0	10
15	26.6	25.5	22.0	190	0.6	10.0	0.4	-2.0	15
20	26.6	25.4	21.7	190	0.6	6.0	0.4	-2.0	20
25	26.6	25.4	21.6	190	0.6	6.0	0.3	-4.0	25
30	26.6	25.4	21.6	190	0.6	10.0	0.6	-4.0	30
35	26.6	25.3	21.3	189	0.6	20.0	0.8	-2.0	35
40	26.6	25.3	21.1	189	0.7	8.0	0.5	-2.0	40
45	26.6	25.3	21.0	189	0.7	8.0	0.7	0.0	45
50	26.6	25.3	20.9	189	0.7	8.0	0.5	0.0	50
55	26.6	25.2	20.8	189	0.7	10.0	0.7	0.0	55
60	26.5	25.2	20.8	188	0.7	8.0	0.6	-2.0	60
65	26.5	25.2	20.6	187	0.7	8.0	0.7	0.0	65
70	26.4	25.1	20.5	187	0.8	22.0	0.7	0.0	70
75	26.4	25.1	20.4	186	0.8	12.0	0.8	0.0	75
80	26.3	25.1	20.4	186	0.9	14.0	0.9	0.0	80
85	26.2	25.0	20.3	185	0.9	28.0	0.9	0.0	85
90	26.2	25.0	20.2	185	1.0	18.0	0.9	0.0	90
95	26.2	25.0	20.1	184	1.0	12.0	0.9	-2.0	95
100	26.2	24.9	20.0	184	1.1	16.0	1.2	0.0	100
125	26.2	24.5	17.5	182	1.4	12.0	1.5	-2.0	125
150	25.8	23.8	15.2	177	1.7	11.2	3.2	-0.8	150
175	25.0	22.2	14.3	176	1.7	12.4	6.2	1.2	175
200	23.4	20.7	13.2	176	1.6	11.6	6.3	0.8	200
225	21.8	19.3	12.1	167	1.5	11.6	5.5	2.0	225
250	20.7	18.3	11.1	142	1.5	8.0	4.4	2.0	250
275	19.6	17.7	11.9	60	1.4	6.0	3.6	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

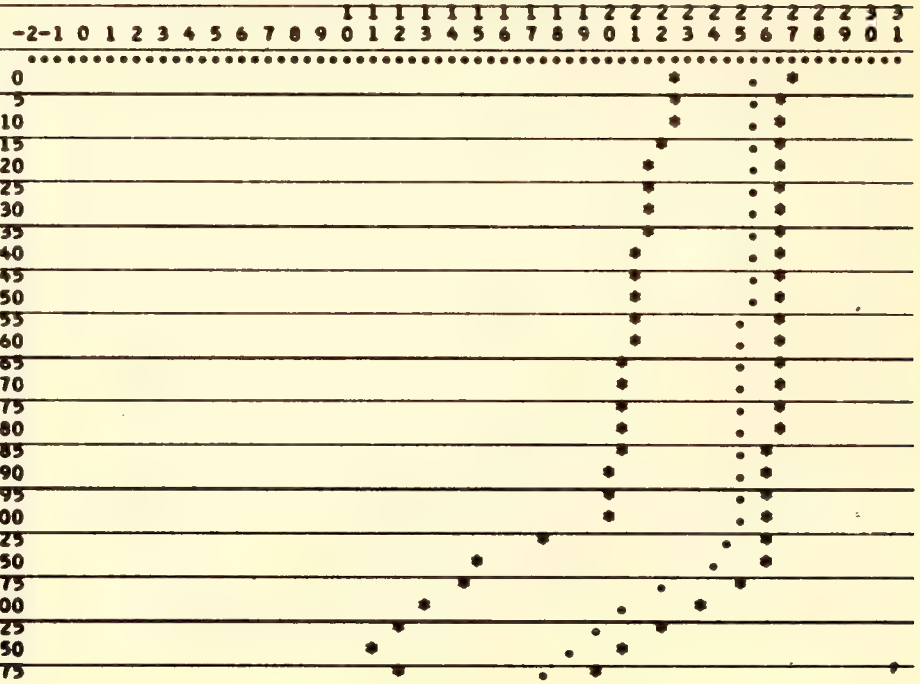


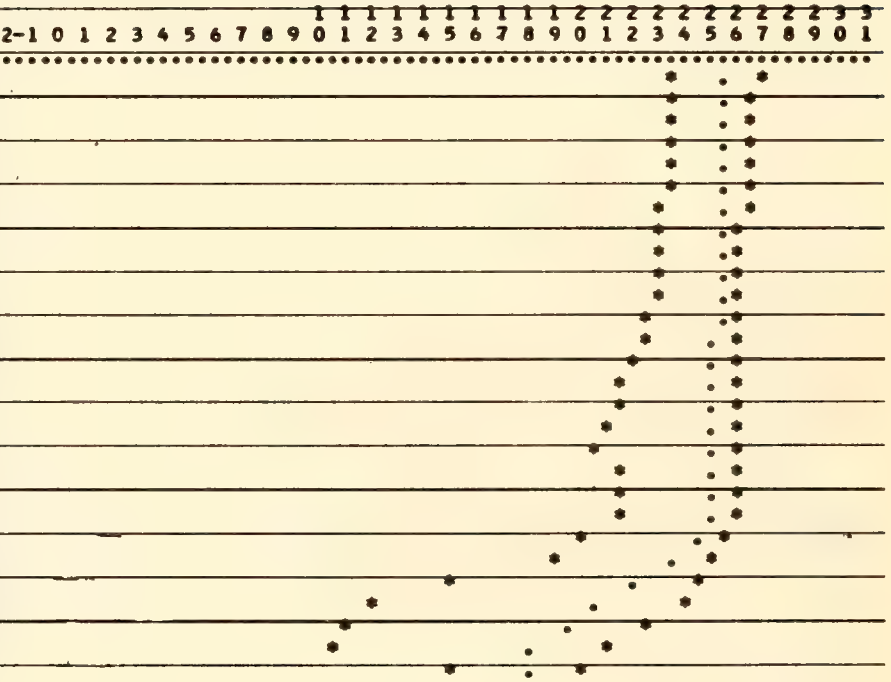
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20A MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	26.8	25.7	23.5	48	0.5	0.0	0.0	0.0	0
5	26.7	25.6	23.5	48	0.5	10.0	0.5	-2.0	5
10	26.6	25.6	23.5	48	0.5	6.0	0.7	-2.0	10
15	26.6	25.6	23.4	48	0.5	4.0	0.7	0.0	15
20	26.5	25.5	23.3	48	0.5	4.0	0.5	0.0	20
25	26.4	25.5	23.3	48	0.5	4.0	0.3	0.0	25
30	26.3	25.5	23.2	48	0.5	4.0	0.7	-2.0	30
35	26.2	25.5	23.2	48	0.5	6.0	0.7	0.0	35
40	26.2	25.4	23.1	48	0.5	10.0	0.8	0.0	40
45	26.2	25.4	22.9	48	0.6	6.0	0.8	-2.0	45
50	26.2	25.3	22.8	48	0.6	6.0	0.7	0.0	50
55	26.2	25.3	22.7	48	0.7	10.0	1.2	-4.0	55
60	26.2	25.2	22.4	48	0.7	10.0	1.2	-2.0	60
65	26.1	25.2	22.0	48	0.8	8.0	1.1	0.0	65
70	26.1	25.1	21.7	48	0.9	10.0	0.7	0.0	70
75	26.0	25.1	21.3	48	0.9	10.0	1.0	-2.0	75
80	26.0	25.0	20.9	48	0.9	8.0	1.0	-2.0	80
85	26.0	25.0	20.4	48	1.0	10.0	0.9	0.0	85
90	26.0	25.0	21.5	47	0.7	6.0	0.9	-2.0	90
95	25.9	25.0	21.5	46	0.8	10.0	1.1	-2.0	95
100	25.9	24.9	21.5	46	0.8	10.0	1.9	0.0	100
125	25.6	24.3	20.0	43	1.0	8.8	2.1	0.0	125
150	25.0	23.5	19.1	35	1.3	8.4	2.9	0.0	150
175	24.5	22.1	15.2	35	2.0	15.6	5.6	0.0	175
200	23.9	20.6	12.2	35	2.2	12.0	5.8	2.0	200
225	22.7	19.3	11.2	34	2.1	7.6	5.3	2.8	225
250	21.0	18.2	10.6	33	2.0	11.2	4.3	2.0	250
275	19.9	17.9	14.9	12	1.4	4.0	2.7	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20A MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	28.4	25.9	23.0	96	0.8	0.0	0.0	0.0	0
5	28.4	25.9	23.0	96	0.8	8.0	0.5	-2.0	5
10	28.4	25.8	22.9	96	0.8	6.0	0.5	-2.0	10
15	28.4	25.8	22.9	96	0.8	8.0	0.6	-4.0	15
20	28.4	25.8	22.9	96	0.8	34.0	0.8	-2.0	20
25	28.4	25.7	22.8	96	0.9	24.0	0.3	-30.0	25
30	28.4	25.7	22.7	96	0.9	16.0	0.9	-2.0	30
35	28.3	25.7	22.4	96	0.9	14.0	0.9	-2.0	35
40	28.3	25.6	21.8	96	0.9	26.0	1.1	-2.0	40
45	28.2	25.6	21.2	96	1.0	14.0	1.0	-2.0	45
50	28.1	25.5	20.9	96	1.0	6.0	0.9	0.0	50
55	28.0	25.4	20.6	95	1.0	10.0	1.2	-2.0	55
60	27.9	25.4	20.1	95	1.1	10.0	1.2	0.0	60
65	27.8	25.3	19.3	93	1.2	16.0	1.7	0.0	65
70	27.6	25.2	18.8	93	1.2	10.0	1.2	0.0	70
75	27.2	25.1	17.5	91	1.3	26.0	2.0	0.0	75
80	27.0	25.0	16.3	91	1.5	62.0	2.2	0.0	80
85	26.9	24.9	15.0	91	1.6	26.0	1.5	-58.0	85
90	26.8	24.8	14.6	91	1.6	8.0	1.3	-2.0	90
95	26.7	24.7	14.5	87	1.7	12.0	1.4	0.0	95
100	26.5	24.6	13.9	87	1.8	16.0	2.0	0.0	100
125	26.0	24.3	17.0	81	1.6	11.6	1.8	0.0	125
150	25.7	23.6	17.4	54	1.7	8.4	2.7	-0.4	150
175	25.1	22.4	16.7	52	2.0	9.2	5.0	0.0	175
200	23.9	20.8	11.3	49	2.5	21.6	6.2	0.4	200
225	23.1	19.8	11.1	41	2.1	10.4	5.5	1.2	225
250	21.2	18.8	15.8	33	1.2	8.8	5.5	3.6	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

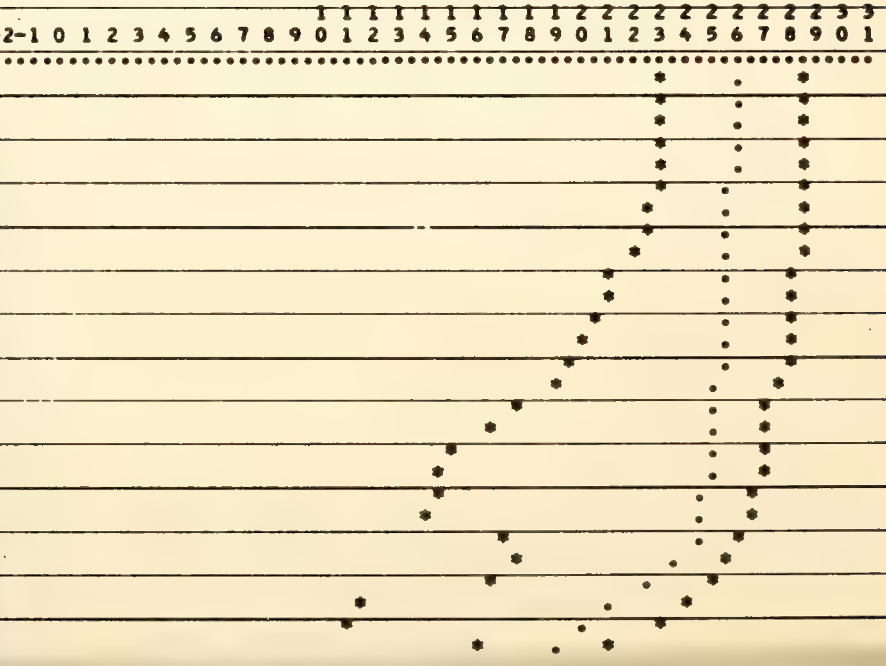


Table VI-1.—Continued

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                                   NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

   AREA 20A  MONTH  5
                                                                        MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                            1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
   DEPTH                                         GRADIENT            -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
   METERS MAX   AVG   MIN   NUM  SDEV        MAX   AVG   MIN
        0 29.0  26.5  23.6  202   1.3        0.0   0.0   0.0    0
        5 29.0  26.5  23.6  202   1.3       20.0   0.7  -2.0    5
       10 29.0  26.5  23.6  202   1.3       12.0   0.9  -2.0   10
       15 29.0  26.4  23.5  202   1.3       20.0   1.2  -2.0   15
       20 29.0  26.3  22.9  202   1.4       40.0   1.8  -2.0   20
       25 29.0  26.2  22.2  202   1.6       24.0   2.5  -2.0   25
       30 29.0  26.0  21.7  202   1.7       28.0   2.9  -2.0   30
       35 28.9  25.9  21.5  202   1.9       18.0   3.1   0.0   35
       40 28.7  25.7  21.2  202   2.0       18.0   3.2   0.0   40
       45 28.7  25.6  20.6  202   2.0       14.0   3.1  -2.0   45
       50 28.2  25.4  20.0  202   2.1       18.0   3.0   0.0   50
       55 27.8  25.3  19.1  202   2.2       22.0   3.2  -4.0   55
       60 27.6  25.1  18.5  202   2.3       20.0   2.9   0.0   60
       65 27.6  25.0  18.2  202   2.4       20.0   3.3   0.0   65
       70 27.6  24.8  17.5  202   2.5       24.0   3.5  -2.0   70
       75 27.6  24.6  16.7  201   2.6       22.0   3.6   0.0   75
       80 27.5  24.5  16.2  201   2.7       20.0   3.0   0.0   80
       85 27.2  24.3  15.9  201   2.8       22.0   3.4  -4.0   85
       90 27.1  24.1  15.0  201   2.9       18.0   3.4  -2.0   90
       95 27.1  24.0  14.5  201   3.0       20.0   3.1  -2.0   95
      100 27.1  23.9  14.1  201   3.1       12.0   2.5   0.0  100
      125 26.6  23.3  12.8  157   3.2       10.8   2.7  -1.6  125
      150 26.0  23.4  11.9  140   2.4       11.2   3.5   0.0  150
      175 25.5  22.5  13.5  129   2.1       10.8   5.0   0.0  175
      200 24.4  21.2  13.1  124   1.9        9.6   5.5   1.6  200
      225 22.3  19.9  12.9  105   1.7       12.0   5.6   0.8  225
      250 21.1  19.0  12.2   79   1.5       10.4   5.2   2.0  250
      275 18.8  16.9  11.1   21   1.9        6.0   3.1   0.8  275
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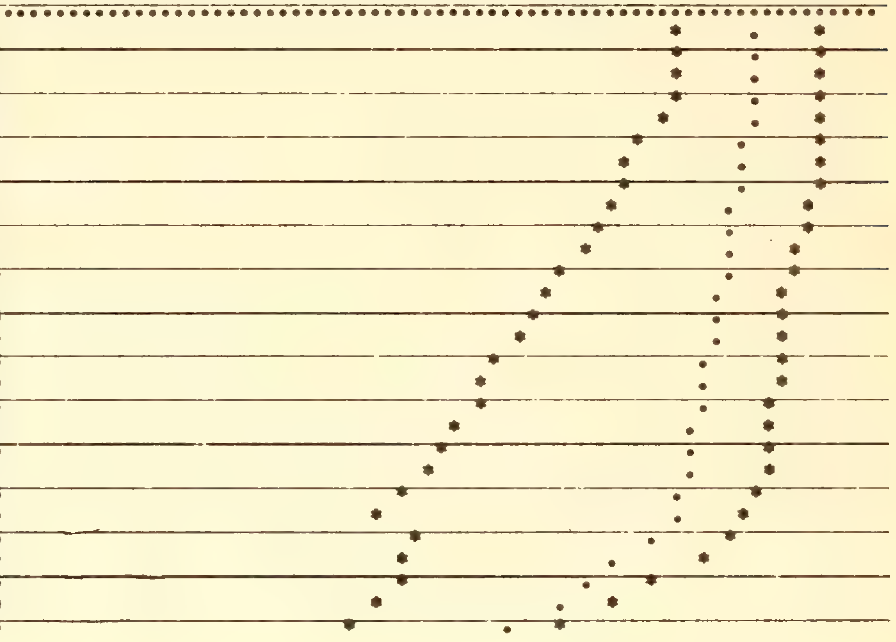

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                                   NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

   AREA 20A  MONTH  6
                                                                        MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                            1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
   DEPTH                                         GRADIENT            -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
   METERS MAX   AVG   MIN   NUM  SDEV        MAX   AVG   MIN
        0 29.1  28.1  25.3  164   0.6        0.0   0.0   0.0    0
        5 29.2  28.0  25.3  164   0.6       20.0   1.6  -4.0    5
       10 29.2  27.9  25.2  164   0.6       16.0   1.5  -2.0   10
       15 29.2  27.9  25.2  164   0.6       14.0   1.4  -2.0   15
       20 29.2  27.8  25.1  164   0.6       20.0   1.9  -2.0   20
       25 29.2  27.6  24.9  164   0.7       24.0   2.3  -2.0   25
       30 29.2  27.5  24.8  164   0.7       28.0   3.1   0.0   30
       35 29.1  27.3  24.4  164   0.8       20.0   3.7   0.0   35
       40 28.9  27.1  23.7  164   0.9       22.0   3.8   0.0   40
       45 28.8  26.9  22.9  164   0.9       24.0   3.9   0.0   45
       50 28.4  26.7  21.2  164   1.1       34.0   4.2   0.0   50
       55 28.0  26.5  20.2  164   1.2       38.0   4.1   0.0   55
       60 27.8  26.3  20.0  164   1.4       84.0   4.8  -2.0   60
       65 27.7  26.1  19.0  163   1.5       26.0   3.1 -78.0   65
       70 27.6  25.9  18.6  162   1.6       18.0   3.5   0.0   70
       75 27.4  25.8  18.1  162   1.6       16.0   3.0   0.0   75
       80 27.3  25.6  18.0  162   1.7       18.0   3.1   0.0   80
       85 27.1  25.5  17.6  162   1.8       18.0   3.1   0.0   85
       90 27.0  25.3  17.4  162   1.9       20.0   3.2  -4.0   90
       95 26.9  25.2  17.2  162   1.9       20.0   2.9  -2.0   95
      100 26.8  25.0  17.0  162   2.0       20.0   3.0   0.0  100
      125 26.2  24.3  15.0  162   2.3       10.0   2.7   0.4  125
      150 25.8  23.5  14.1  156   2.6       11.6   3.0   0.0  150
      175 25.2  22.5  12.9  154   2.9       10.8   4.1   0.0  175
      200 24.4  21.1  12.0  152   2.8       11.2   5.7   0.0  200
      225 23.5  19.8  11.5  140   2.6       31.2   6.1   1.6  225
      250 25.9  19.2  10.9   94   2.3        8.0   4.9 -14.0  250
      275 19.5  17.1  12.2   16   2.5        7.2   4.4   3.2  275
```

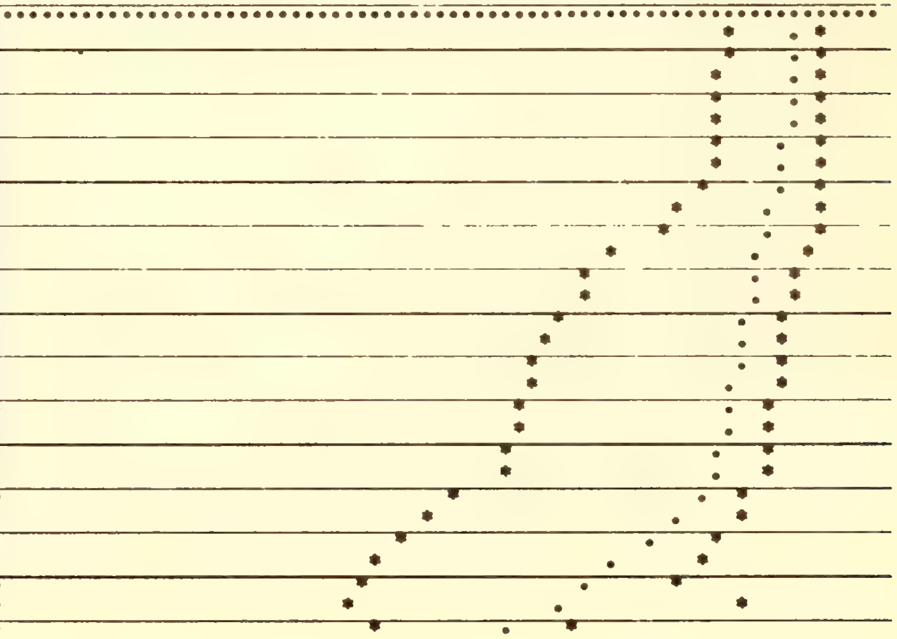


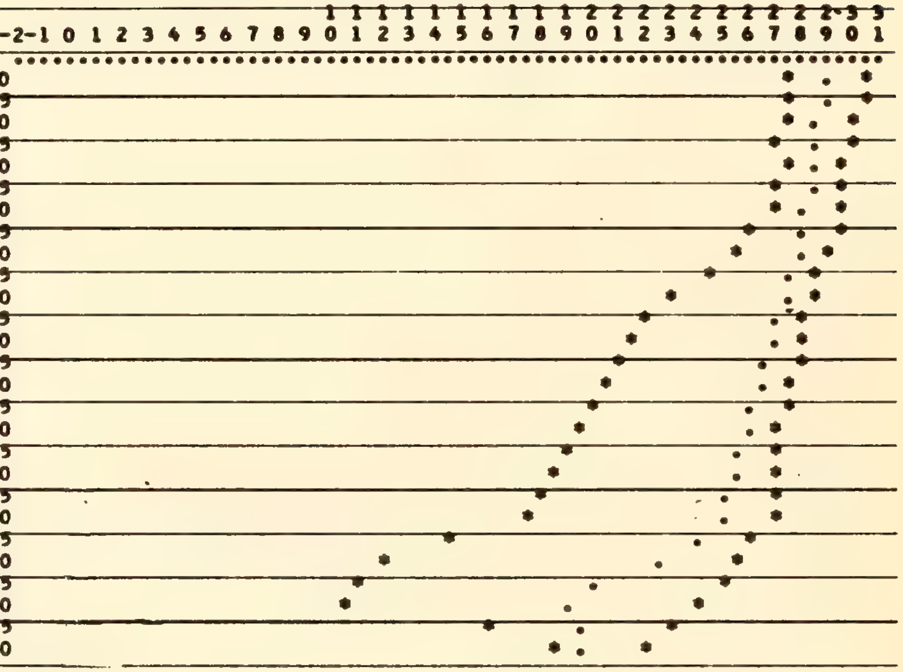
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20A MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	30.4	28.9	27.7	46	0.6	0.0	0.0	0.0	0
5	30.3	28.8	27.7	46	0.5	18.0	2.1	0.0	5
10	29.9	28.7	27.7	46	0.5	10.0	1.7	0.0	10
15	29.8	28.6	27.0	46	0.5	24.0	2.7	-2.0	15
20	29.6	28.5	27.3	46	0.5	14.0	1.9	-16.0	20
25	29.4	28.4	27.0	46	0.5	10.0	2.4	0.0	25
30	29.3	28.2	26.8	46	0.5	12.0	3.2	0.0	30
35	29.3	28.1	26.2	46	0.6	18.0	3.3	0.0	35
40	28.9	27.8	25.7	46	0.7	20.0	4.5	-6.0	40
45	28.7	27.6	24.4	46	0.8	26.0	4.2	-2.0	45
50	28.4	27.4	23.0	46	1.0	28.0	5.1	0.0	50
55	28.2	27.1	22.2	46	1.1	18.0	5.7	0.0	55
60	27.9	26.8	21.5	46	1.3	34.0	5.7	0.0	60
65	27.8	26.5	21.0	45	1.4	26.0	5.5	0.0	65
70	27.7	26.3	20.7	45	1.6	30.0	4.9	0.0	70
75	27.5	26.0	20.2	45	1.7	24.0	5.4	0.0	75
80	27.2	25.8	19.5	45	1.8	18.0	4.4	2.0	80
85	27.1	25.5	19.1	45	2.0	18.0	4.7	2.0	85
90	26.9	25.3	18.5	45	2.1	20.0	4.4	0.0	90
95	26.9	25.1	18.2	45	2.2	18.0	3.8	0.0	95
100	26.8	24.9	17.6	45	2.3	16.0	4.6	0.0	100
125	26.1	23.8	14.6	45	2.8	16.4	4.4	1.2	125
150	25.5	22.3	11.8	40	3.4	12.0	5.4	0.8	150
175	25.0	20.1	11.2	27	4.0	12.0	6.3	2.0	175
200	24.0	19.1	10.5	17	3.8	9.2	5.6	0.8	200
225	23.0	19.6	15.8	11	1.9	7.6	6.0	4.0	225
250	22.0	19.7	18.6	5	1.6	4.8	4.3	4.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20A MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	31.4	29.2	27.0	278	0.6	0.0	0.0	0.0	0
5	30.9	29.2	27.0	278	0.5	30.0	1.2	-6.0	5
10	30.7	29.1	26.4	278	0.6	32.0	1.4	-2.0	10
15	30.2	29.0	25.1	278	0.7	58.0	2.2	-6.0	15
20	30.2	28.8	23.3	278	1.0	50.0	3.5	-6.0	20
25	30.1	28.6	21.5	278	1.3	46.0	4.5	-4.0	25
30	30.1	28.3	19.8	278	1.6	50.0	6.1	-2.0	30
35	30.1	27.9	18.4	277	1.9	76.0	7.5	-6.0	35
40	30.1	27.5	16.9	277	2.2	52.0	7.8	-2.0	40
45	29.7	27.1	15.6	276	2.4	44.0	8.1	0.0	45
50	29.5	26.7	14.4	275	2.6	38.0	8.2	0.0	50
55	29.1	26.4	18.3	272	2.5	52.0	7.7	-2.0	55
60	28.9	26.1	17.9	271	2.6	38.0	7.0	-10.0	60
65	28.6	25.7	17.5	255	2.8	32.0	7.0	0.0	65
70	28.3	25.4	16.8	255	2.9	22.0	6.0	0.0	70
75	28.1	25.1	16.5	255	3.1	24.0	6.0	0.0	75
80	28.0	24.8	15.9	255	3.2	26.0	5.1	0.0	80
85	27.9	24.6	15.7	254	3.2	24.0	4.9	-2.0	85
90	27.7	24.3	15.6	248	3.3	18.0	4.8	0.0	90
95	27.6	24.1	15.3	247	3.4	20.0	4.9	-2.0	95
100	27.5	23.8	15.0	247	3.5	22.0	4.7	0.0	100
125	26.8	22.8	13.3	229	3.8	16.0	4.6	0.8	125
150	26.1	22.0	13.3	200	3.7	14.0	4.5	0.8	150
175	25.5	20.1	11.8	164	3.9	10.0	5.4	1.2	175
200	24.4	18.6	10.6	161	3.7	12.0	5.6	1.6	200
225	22.8	17.4	9.6	155	3.4	9.6	5.2	1.2	225
250	22.0	16.2	9.0	136	3.3	8.0	4.2	1.6	250
275	19.4	15.3	9.0	100	3.2	5.6	[illegible]	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

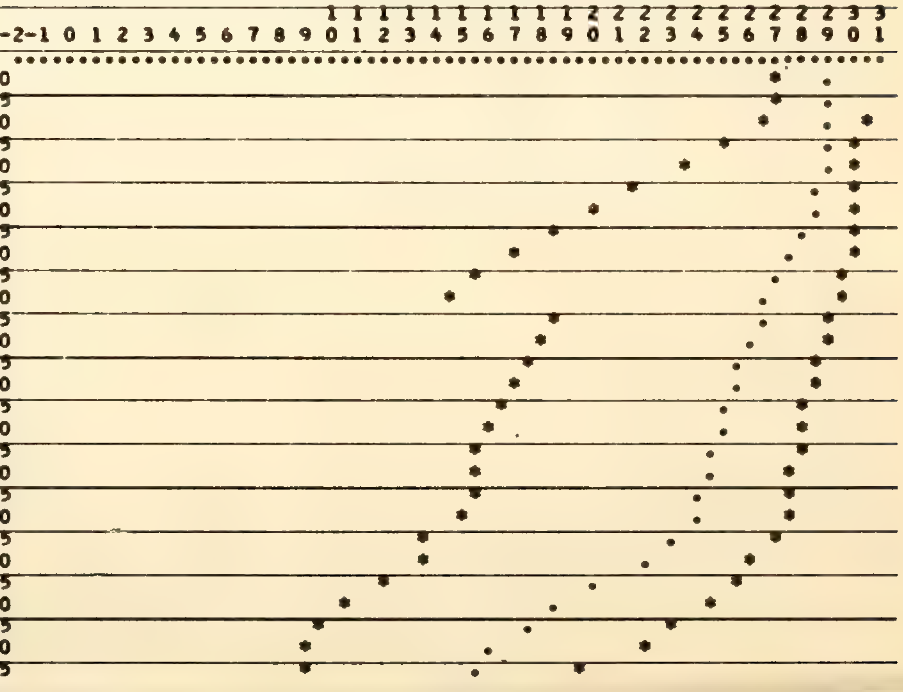


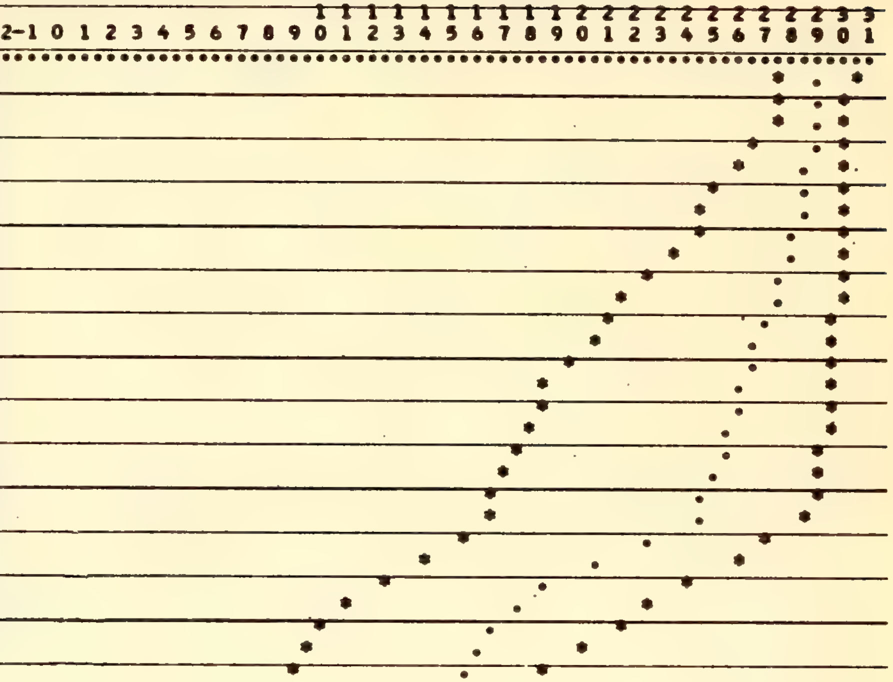
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20A MONTH 9

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	30.3	29.0	27.6	101	0.6	0.0	0.0	0.0	0
5	30.1	28.9	27.6	1C1	0.5	12.0	1.3	-2.0	5
10	30.1	28.8	27.4	101	0.6	10.0	1.3	-2.0	10
15	30.0	28.8	26.5	101	0.6	18.0	1.5	-2.0	15
20	29.9	28.7	25.8	101	0.7	18.0	2.2	-2.0	20
25	29.9	28.5	24.9	101	0.9	38.0	3.2	-4.0	25
30	29.9	28.3	24.6	101	1.1	40.0	3.9	0.0	30
35	29.9	28.1	24.3	101	1.3	28.0	3.6	0.0	35
40	29.9	27.9	23.4	101	1.5	30.0	4.6	-2.0	40
45	29.9	27.6	22.3	101	1.7	28.0	5.1	-2.0	45
50	29.8	27.3	21.5	101	1.9	40.0	7.5	0.0	50
55	29.4	27.0	21.2	101	2.0	30.0	5.9	-2.0	55
60	29.4	26.6	20.5	100	2.3	28.0	6.0	0.0	60
65	29.4	26.4	19.4	99	2.5	24.0	5.7	0.0	65
70	29.4	26.1	18.5	99	2.6	22.0	5.6	0.0	70
75	29.3	25.8	18.3	99	2.8	20.0	5.2	0.0	75
80	29.3	25.6	18.0	99	2.9	20.0	4.8	0.0	80
85	29.1	25.3	17.5	97	3.0	20.0	5.5	0.0	85
90	29.0	25.0	17.0	96	3.1	27.0	5.6	0.0	90
95	28.9	24.7	16.7	94	3.2	20.0	5.6	0.0	95
100	28.7	24.4	16.6	94	3.3	20.0	5.8	0.0	100
125	26.8	22.6	15.3	73	3.7	14.8	5.8	2.0	125
150	25.9	20.6	13.9	60	3.8	9.6	5.8	2.8	150
175	24.1	18.7	12.6	55	3.6	12.4	6.4	1.2	175
200	22.6	17.4	10.9	55	3.4	10.4	5.3	2.0	200
225	21.3	16.5	9.8	49	3.4	10.0	4.6	0.8	225
250	19.9	16.0	9.5	35	3.1	8.8	4.0	2.0	250
275	18.7	15.6	9.2	17	3.0	5.6	3.4	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 20A MONTH 10

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	29.4	28.3	26.8	78	0.5	0.0	0.0	0.0	0
5	29.3	28.2	26.8	78	0.4	2.0	0.2	-2.0	5
10	29.3	28.2	26.8	78	0.4	2.0	0.0	-4.0	10
15	29.3	28.2	26.8	78	0.4	2.0	0.1	-2.0	15
20	29.2	28.1	22.2	78	0.8	124.0	1.9	0.0	20
25	29.2	28.2	26.7	78	0.4	2.0	-1.5	-122.0	25
30	29.2	28.2	26.5	78	0.4	4.0	0.3	-2.0	30
35	29.2	28.2	26.4	78	0.5	4.0	0.2	-2.0	35
40	29.2	28.2	26.3	78	0.5	4.0	0.3	0.0	40
45	29.2	28.1	26.1	78	0.5	20.0	1.2	0.0	45
50	29.2	28.1	26.1	78	0.6	12.0	0.9	-2.0	50
55	29.1	28.0	26.1	78	0.6	10.0	0.8	-2.0	55
60	29.0	28.0	25.9	78	0.7	10.0	1.5	0.0	60
65	28.9	27.8	25.7	78	0.7	12.0	2.6	-4.0	65
70	28.9	27.7	25.2	78	0.8	12.0	3.2	0.0	70
75	28.8	27.5	24.8	78	0.9	14.0	3.6	0.0	75
80	28.7	27.3	24.3	78	1.0	16.0	3.2	0.0	80
85	28.4	27.1	23.9	78	1.1	12.0	3.9	0.0	85
90	28.2	27.0	23.5	78	1.1	12.0	3.3	0.0	90
95	28.2	26.8	23.3	78	1.2	14.0	3.4	0.0	95
100	28.1	26.6	22.8	78	1.3	14.0	3.9	0.0	100
125	27.5	25.5	20.6	78	1.8	12.8	4.4	0.8	125
150	26.9	24.2	18.3	78	2.1	15.6	5.2	1.6	150
175	26.2	22.7	17.2	78	2.1	12.4	6.1	2.0	175
200	25.0	21.3	16.9	78	2.0	9.2	5.7	1.2	200
225	23.0	19.9	16.2	78	1.6	8.8	5.3	2.0	225
250	21.4	18.7	15.4	70	1.3	7.6	4.2	1.6	250
275	19.0	18.7	18.6	3	0.2	4.0	3.2	2.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

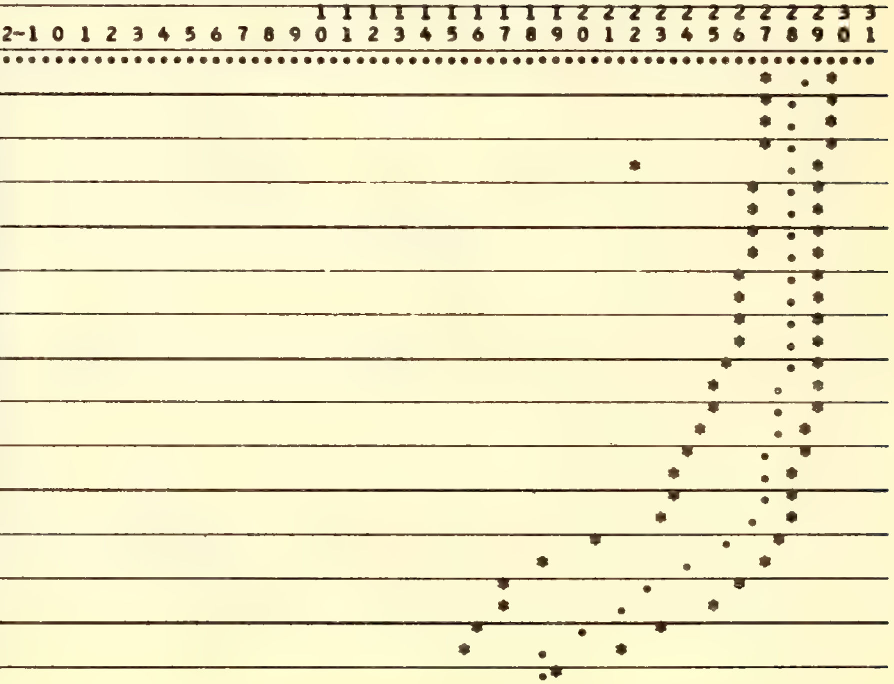


Table VI-1.--Continued

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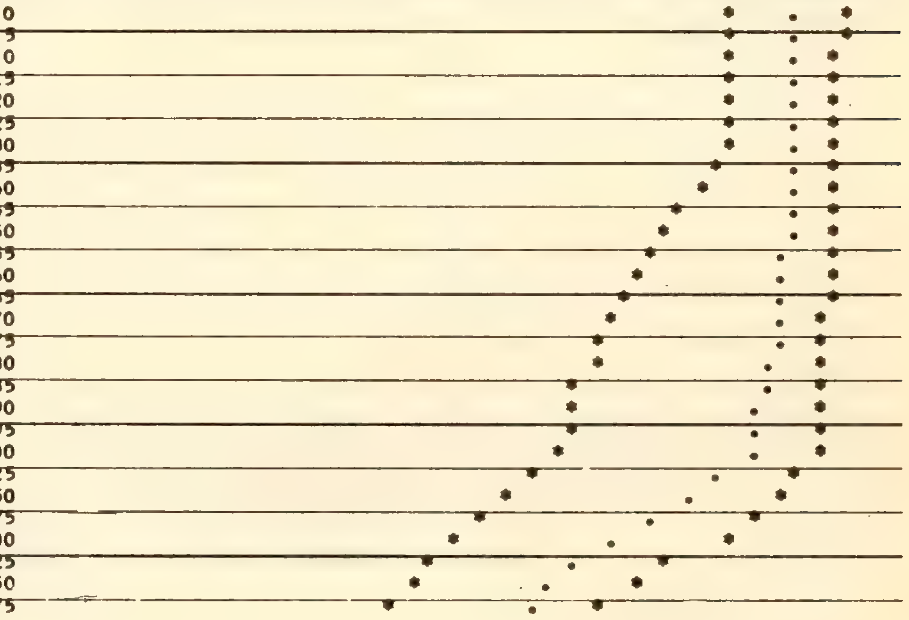
                    NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 20A  MONTH 11
                                                               MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                       1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                            GRADIENT      -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN   NUM  SDEV         MAX   AVG   MIN    ........................................................................
     0 29.6  27.4  24.9  191   0.8         0.0   0.0   0.0   0
     5 29.4  27.4  24.9  191   0.8         4.0   0.1  -2.0   5
    10 29.2  27.4  24.9  191   0.8         4.0   0.2  -2.0  10
    15 29.1  27.4  24.9  191   0.8         4.0   0.2  -2.0  15
    20 28.9  27.4  24.9  191   0.8         4.0   0.2  -2.0  20
    25 28.9  27.4  24.9  191   0.8        12.0   0.2  -4.0  25
    30 28.9  27.3  24.9  191   0.8         2.0   0.2  -4.0  30
    35 28.9  27.3  24.6  191   0.8        14.0   0.2  -2.0  35
    40 28.9  27.3  23.8  191   0.8        16.0   0.3   0.0  40
    45 28.9  27.3  22.9  191   0.9        18.0   0.5  -2.0  45
    50 28.9  27.3  22.6  191   1.0        38.0   0.7  -2.0  50
    55 28.8  27.2  21.9  191   1.1        22.0   1.2  -2.0  55
    60 28.8  27.1  21.3  190   1.2        32.0   1.4  -2.0  60
    65 28.8  27.0  21.1  190   1.3        84.0   1.9   0.0  65
    70 28.6  26.9  20.7  190   1.5        42.0   1.9 -70.0  70
    75 28.6  26.8  20.2  190   1.6        24.0   3.1   0.0  75
    80 28.6  26.6  19.8  190   1.7        30.0   3.4   0.0  80
    85 28.5  26.4  19.2  190   1.8        18.0   3.8   0.0  85
    90 28.5  26.2  19.0  189   1.9        26.0   3.7   0.0  90
    95 28.5  26.0  18.8  188   2.0        24.0   3.9   0.0  95
   100 28.4  25.9  18.4  188   2.1        18.0   3.8   0.0 100
   125 27.3  24.7  17.5  188   2.4        10.8   4.7   0.0 125
   150 26.9  23.4  16.4  184   2.4        12.0   5.5   0.0 150
   175 25.8  21.9  15.4  184   2.4        12.4   5.8   1.6 175
   200 24.8  20.5  14.6  184   2.2        11.6   5.6   2.0 200
   225 22.5  19.2  13.4  178   2.0         9.2   5.2   2.0 225
   250 21.3  18.2  12.8  164   2.0         8.4   3.9   1.6 250
   275 20.0  17.7  12.1   79   1.5         6.4   3.4   0.8 275
```



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                    NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)
AREA 20A  MONTH 12
                                                               MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                       1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                            GRADIENT      -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN   NUM  SDEV         MAX   AVG   MIN    ........................................................................
     0 26.8  24.4  22.3   13   1.7         0.0   0.0   0.0   0
     5 26.8  24.4  22.3   13   1.7         0.0   0.0   0.0   5
    10 26.8  24.4  22.3   13   1.7         2.0   0.0  -2.0  10
    15 26.8  24.4  22.2   13   1.7         2.0   0.2  -2.0  15
    20 26.8  24.3  22.2   13   1.7        16.0   1.7   0.0  20
    25 26.7  24.2  22.2   13   1.6        18.0   3.1   0.0  25
    30 26.7  24.0  22.2   13   1.5        16.0   4.0   0.0  30
    35 26.7  23.7  22.2   13   1.5        22.0   4.9   0.0  35
    40 26.7  23.5  22.2   13   1.4        12.0   3.8   0.0  40
    45 26.7  23.4  22.2   13   1.5        14.0   3.4   0.0  45
    50 26.7  23.1  21.7   13   1.5        18.0   4.9   0.0  50
    55 26.7  23.0  21.3   13   1.6         8.0   3.1   0.0  55
    60 26.7  22.6  21.1   13   1.5        38.0   8.5   0.0  60
    65 26.7  22.0  20.9   13   1.4        32.0  10.2   0.0  65
    70 26.7  21.6  20.4   13   1.6        26.0   9.1   0.0  70
    75 26.7  21.1  19.2   13   1.8        24.0  10.5   0.0  75
    80 26.7  20.6  18.9   13   2.0        24.0   8.9   0.0  80
    85 26.7  20.3  18.4   13   2.1        22.0   7.1   0.0  85
    90 26.7  19.9  18.1   13   2.2        14.0   7.8   0.0  90
    95 26.7  19.4  17.4   13   2.2        34.0   9.2   0.0  95
   100 26.7  19.1  17.3   13   2.3        12.0   5.7   0.0 100
   125 18.0  16.9  15.7   12   0.6         8.8   6.5   4.0 125
   150 16.6  15.5  14.2   12   0.8         8.0   5.4   4.0 150
   175 15.6  14.3  12.8   12   0.8         7.2   5.0   4.0 175
   200 14.6  13.3  11.7   12   0.9         5.6   4.1   2.8 200
   225 13.6  12.3  11.0   12   0.7         8.8   4.0   2.4 225
   250 12.4  11.4   9.9   12   0.8         5.2   3.5   1.2 250
   275 10.7  10.4  10.0    5   0.2         7.6   5.0   3.2 275
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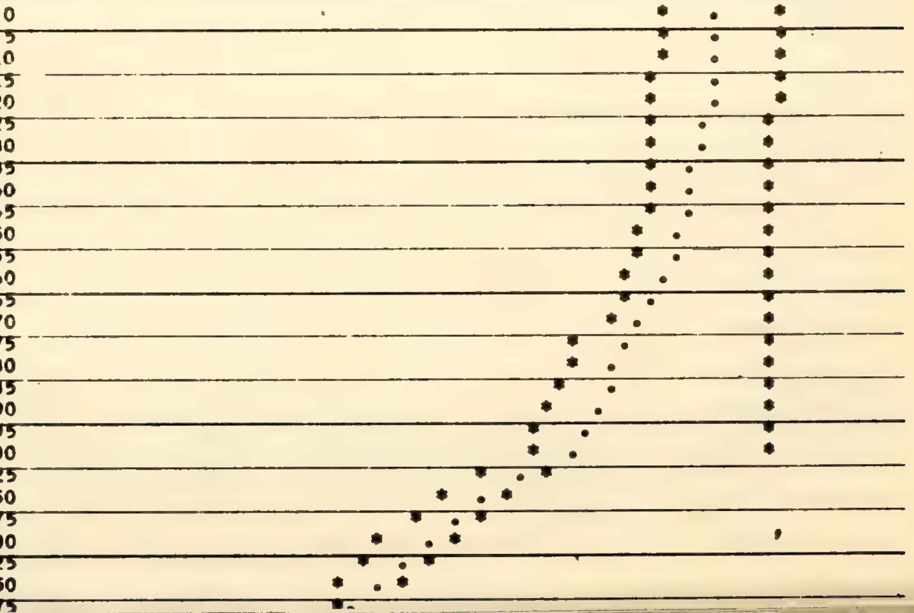
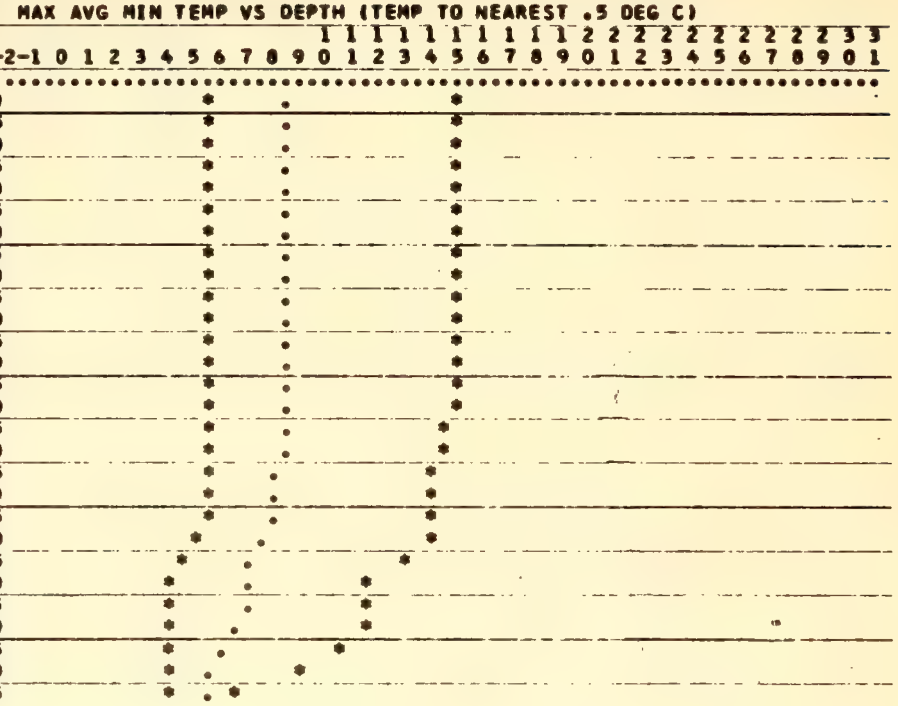


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 21 MONYH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	15.0	8.6	5.6	331	1.9	0.0	0.0	0.0	0
5	15.1	8.6	5.7	331	1.9	6.0	-0.1	-4.0	5
10	15.1	8.6	5.7	331	1.9	2.0	0.0	-2.0	10
15	15.1	8.6	5.7	331	1.9	2.0	-0.0	-2.0	15
20	15.1	8.6	5.7	331	1.9	4.0	0.0	-2.0	20
25	15.1	8.6	5.7	331	1.9	4.0	0.0	-6.0	25
30	15.1	8.6	5.7	331	1.9	4.0	0.0	-2.0	30
35	15.1	8.6	5.7	330	1.9	6.0	0.0	-4.0	35
40	15.0	8.6	5.7	329	1.9	4.0	0.0	-6.0	40
45	15.0	8.6	5.7	327	1.9	4.0	0.1	-2.0	45
50	15.0	8.6	5.7	327	1.9	4.0	0.0	-2.0	50
55	15.0	8.6	5.7	327	1.9	4.0	0.1	-2.0	55
60	15.0	8.6	5.7	326	1.9	12.0	0.2	-2.0	60
65	14.9	8.6	5.7	326	1.9	18.0	0.3	-10.0	65
70	14.8	8.5	5.7	324	1.9	36.0	0.9	-6.0	70
75	14.7	8.4	5.7	324	1.8	40.0	1.7	-4.0	75
80	14.5	8.3	5.7	324	1.8	38.0	2.4	-4.0	80
85	14.2	8.2	5.7	317	1.7	30.0	2.7	-4.0	85
90	13.8	8.1	5.7	307	1.6	32.0	3.2	-4.0	90
95	13.8	7.9	5.6	298	1.6	42.0	3.4	-2.0	95
100	13.8	7.7	5.2	298	1.6	34.0	3.9	-6.0	100
125	12.8	7.0	4.3	261	1.5	12.8	2.8	-1.6	125
150	11.6	6.9	4.1	175	1.4	5.6	0.8	-2.0	150
175	11.5	6.8	4.1	164	1.4	2.8	0.6	-2.4	175
200	11.3	6.6	4.2	151	1.4	2.4	0.9	-0.8	200
225	10.5	6.2	4.0	123	1.1	2.4	1.0	-0.4	225
250	9.0	5.6	4.1	76	0.7	2.8	1.1	0.0	250
275	6.7	5.4	4.0	35	0.6	1.6	0.9	0.0	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 21 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	13.9	9.1	5.1	482	1.8	0.0	0.0	0.0	0
5	13.9	9.0	5.1	482	1.8	6.0	0.0	-2.0	5
10	13.9	9.0	5.1	482	1.8	10.0	0.1	-2.0	10
15	13.9	9.0	5.1	482	1.8	4.0	0.0	-2.0	15
20	13.9	9.0	5.1	482	1.8	4.0	0.0	-2.0	20
25	13.9	9.0	5.1	482	1.8	4.0	0.0	-4.0	25
30	13.9	9.0	5.1	482	1.8	6.0	0.1	-2.0	30
35	13.9	9.0	5.1	482	1.8	4.0	0.1	-2.0	35
40	13.9	9.0	5.1	482	1.8	6.0	0.1	-2.0	40
45	13.9	9.0	5.1	482	1.8	8.0	0.1	-2.0	45
50	13.9	9.0	5.1	482	1.8	4.0	0.1	-2.0	50
55	13.9	9.0	5.1	482	1.8	6.0	0.2	-4.0	55
60	13.8	9.0	5.1	482	1.8	4.0	0.2	-2.0	60
65	13.8	9.0	5.1	479	1.8	6.0	0.2	-4.0	65
70	13.8	9.0	5.1	479	1.8	16.0	0.3	-8.0	70
75	13.8	8.9	5.1	478	1.8	12.0	0.7	-8.0	75
80	13.6	8.8	5.1	473	1.8	26.0	1.2	-22.0	80
85	13.4	8.7	5.1	469	1.7	32.0	2.1	-8.0	85
90	13.4	8.6	5.1	466	1.7	30.0	2.6	-6.0	90
95	13.1	8.4	5.1	452	1.6	28.0	2.5	-6.0	95
100	13.1	8.3	5.1	452	1.6	26.0	2.4	-4.0	100
125	12.6	7.7	5.1	388	1.3	11.6	2.3	-5.6	125
150	11.0	7.3	4.8	246	1.1	16.8	1.2	-2.4	150
175	10.9	7.2	4.5	239	1.1	4.4	0.8	-1.6	175
200	10.8	6.9	4.2	224	1.0	2.8	0.8	-1.2	200
225	10.6	6.7	4.0	203	1.0	3.2	0.9	-0.4	225
250	10.4	6.3	3.9	146	0.9	2.4	1.0	-0.4	250
275	6.9	5.1	3.8	25	0.6	2.0	0.9	0.0	275

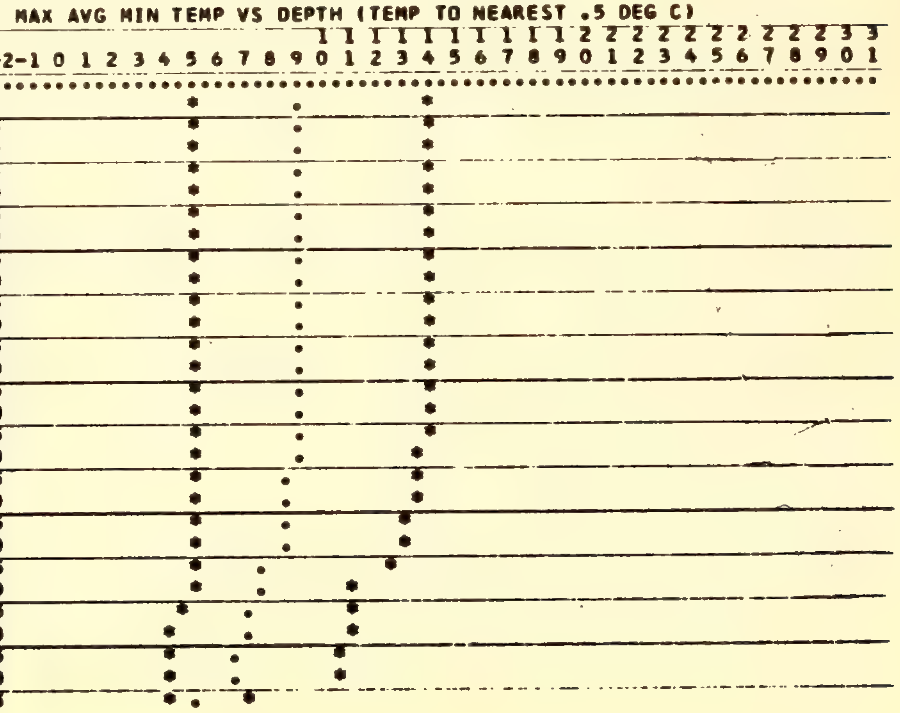


Table VI-1.—Continued

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                                    NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 21   MONTH  3
                                                                       MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                              1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                             GRADIENT           -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS   MAX    AVG    MIN    NUM   SDEV      MAX    AVG    MIN      ....................................................................
     0  13.3    8.8    4.3    567    1.9      0.0    0.0    0.0    0               *        .        *
     5  13.3    8.8    4.3    567    1.9      6.0    0.1   -6.0    5               *        .        *
    10  13.3    8.8    4.3    567    1.9      8.0    0.1   -2.0   10               *        .        *
    15  13.3    8.8    4.3    567    1.9     12.0    0.1   -4.0   15               *        .        *
    20  13.2    8.7    4.3    567    1.9      4.0    0.1   -2.0   20               *       .        *
    25  13.2    8.7    4.3    567    1.9      8.0    0.1   -4.0   25               *       .        *
    30  13.2    8.7    4.3    567    1.9     14.0    0.3   -6.0   30               *       .        *
    35  13.2    8.7    4.3    567    1.9      4.0    0.2   -4.0   35               *       .        *
    40  13.2    8.7    4.3    567    1.9      4.0    0.3   -4.0   40               *       .        *
    45  13.2    8.7    4.2    567    1.9     16.0    0.3   -4.0   45              *        .        *
    50  13.2    8.7    4.2    567    1.9     10.0    0.2   -8.0   50              *        .        *
    55  13.2    8.7    4.2    567    1.9      4.0    0.3   -2.0   55              *        .        *
    60  13.2    8.7    4.2    567    1.9      6.0    0.3   -2.0   60              *        .        *
    65  13.2    8.6    4.2    567    1.9     10.0    0.3   -2.0   65              *        .        *
    70  13.2    8.6    4.2    567    1.9     14.0    0.4   -4.0   70              *        .        *
    75  13.2    8.6    4.2    566    1.9     12.0    0.7   -4.0   75              *        .        *
    80  13.2    8.5    4.2    564    1.9     20.0    0.9   -4.0   80              *        .        *
    85  13.2    8.5    4.2    560    1.8     18.0    1.8   -4.0   85              *        .        *
    90  13.2    8.3    3.9    557    1.8     46.0    2.5   -4.0   90              *        .        *
    95  13.3    8.2    1.2    549    1.8     54.0    3.0   -2.0   95        *             .          *
   100  13.3    8.0    0.2    549    1.7     28.0    3.3   -6.0  100      *               .          *
   125  11.6    7.5    4.5    422    1.3     11.2    2.5   -1.6  125               *     .       *
   150  10.2    7.1    5.0    258    1.1      7.6    1.1   -4.0  150                *   .     *
   175   9.2    7.0    4.7    242    1.0      5.2    0.6   -3.2  175               *    .   *
   200   9.0    6.8    4.3    215    0.9      2.8    0.9   -1.2  200               *    .   *
   225   8.5    6.4    4.1    170    0.9      2.4    1.0   -0.4  225              *    .   *
   250   8.4    6.1    4.4    122    0.8      2.4    1.0   -0.4  250               *  .    *
   275   7.4    5.3    4.2     41    0.7      2.8    0.9    0.0  275              *  .   *
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                                    NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 21   MONTH  4
                                                                       MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                              1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                             GRADIENT           -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS   MAX    AVG    MIN    NUM   SDEV      MAX    AVG    MIN      ....................................................................
     0  19.0    8.8    5.2    835    2.0      0.0    0.0    0.0    0                *       .                   *
     5  19.0    8.7    5.2    835    2.0     26.0    0.4   -4.0    5                *      .                    *
    10  19.0    8.7    5.3    835    2.0     14.0    0.5   -2.0   10                 *     .                    *
    15  19.0    8.7    5.3    835    2.0     10.0    0.6   -2.0   15                 *     .                    *
    20  18.9    8.7    5.3    835    2.0     10.0    0.7   -4.0   20                 *     .                    *
    25  18.9    8.6    5.3    835    2.0     16.0    0.6   -2.0   25                 *     .                    *
    30  18.9    8.6    5.3    835    2.0     12.0    0.9   -6.0   30                 *     .                    *
    35  18.8    8.5    5.3    835    2.0     14.0    0.8   -4.0   35                 *     .                    *
    40  18.8    8.5    5.3    835    2.0     14.0    0.9   -6.0   40                 *     .                    *
    45  18.8    8.4    5.3    834    2.0     10.0    1.0   -2.0   45                 *     .                    *
    50  18.8    8.4    5.3    834    2.0     24.0    1.0   -2.0   50                 *     .                    *
    55  18.8    8.3    5.3    834    2.0     18.0    1.0   -4.0   55                 *     .                    *
    60  18.8    8.3    5.3    833    2.0     14.0    1.0   -6.0   60                 *     .                    *
    65  18.7    8.2    5.3    828    1.9     12.0    0.9   -6.0   65                 *    .                    *
    70  18.7    8.2    5.3    827    1.9     10.0    1.0   -4.0   70                 *    .                    *
    75  18.8    8.1    5.0    825    1.9     18.0    1.1   -4.0   75                *     .                     *
    80  18.8    8.1    4.8    820    1.9     18.0    1.3   -6.0   80                *     .                     *
    85  18.8    8.0    4.7    816    1.9     20.0    1.6   -4.0   85               *      .                     *
    90  18.8    7.9    4.6    810    1.8     22.0    1.8  -10.0   90               *      .                     *
    95  18.8    7.8    4.6    806    1.8     14.0    1.7   -6.0   95               *      .                     *
   100  18.4    7.7    4.7    806    1.8     18.0    2.1   -6.0  100               *     .                     *
   125  16.7    7.2    4.4    676    1.7     10.4    2.1   -2.4  125               *    .                  *
   150  15.4    7.0    4.5    371    1.8      5.6    0.8   -2.8  150               *    .                *
   175  15.0    6.9    4.5    352    1.8      4.0    0.6   -3.6  175               *    .               *
   200  14.4    6.7    4.2    325    1.8      4.0    0.9   -1.2  200              *    .               *
   225  14.0    6.4    3.9    287    1.7      2.8    1.0   -2.4  225              *    .              *
   250  13.5    6.0    3.8    228    1.5      3.6    1.0    0.0  250              *   .              *
   275   7.0    5.4    3.8     84    0.5      2.4    0.9    0.0  275              *  .  *
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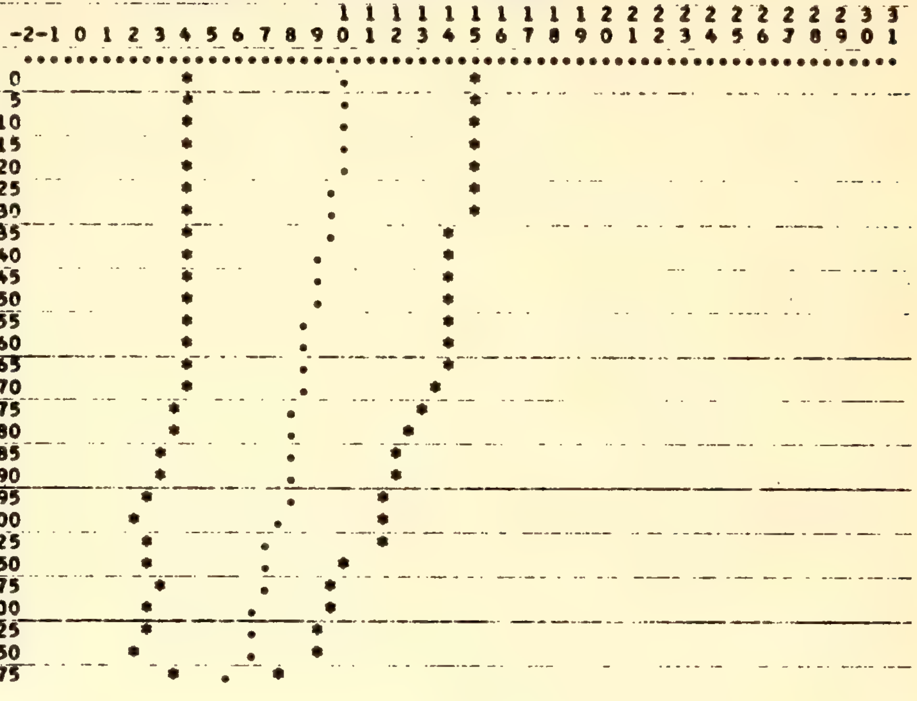
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 21 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	15.1	10.2	4.2	1174	1.7	0.0	0.0	0.0	0
5	15.1	10.1	4.1	1174	1.7	30.0	1.0	-12.0	5
10	15.1	10.1	4.1	1174	1.7	24.0	1.4	-2.0	10
15	15.1	10.0	4.1	1174	1.7	24.0	1.7	-2.0	15
20	15.1	9.9	4.1	1173	1.6	20.0	2.1	-4.0	20
25	15.1	9.7	4.1	1173	1.6	28.0	2.8	-2.0	25
30	14.9	9.5	4.0	1173	1.5	28.0	3.7	-2.0	30
35	14.2	9.3	4.0	1173	1.5	36.0	4.0	-4.0	35
40	14.2	9.1	4.0	1172	1.5	40.0	4.2	-4.0	40
45	14.2	8.9	4.0	1171	1.4	30.0	4.0	-4.0	45
50	14.2	8.8	4.0	1170	1.4	24.0	3.1	-122.0	50
55	14.2	8.6	4.0	1169	1.4	140.0	2.9	-6.0	55
60	14.2	8.5	4.0	1169	1.4	24.0	2.4	-12.0	60
65	14.1	8.4	4.0	1168	1.5	20.0	2.1	-4.0	65
70	13.6	8.3	3.9	1167	1.4	14.0	2.0	-6.0	70
75	13.2	8.2	3.7	1165	1.4	20.0	2.0	-4.0	75
80	12.3	8.1	3.4	1162	1.4	18.0	1.8	-4.0	80
85	12.2	8.0	3.1	1160	1.4	20.0	2.2	-6.0	85
90	12.0	7.9	2.8	1155	1.3	20.0	2.1	-12.0	90
95	11.6	7.8	2.3	1142	1.3	18.0	2.1	-6.0	95
100	11.6	7.7	1.8	1142	1.3	16.0	2.3	-8.0	100
125	11.3	7.1	2.6	972	1.1	10.4	2.0	-3.2	125
150	10.0	6.8	2.7	490	0.9	8.0	0.7	-2.8	150
175	9.7	6.8	2.8	438	0.9	5.2	0.2	-3.2	175
200	9.6	6.7	2.6	406	1.0	2.8	0.6	-1.6	200
225	8.9	6.5	2.3	349	0.9	2.4	1.0	-1.6	225
250	8.9	6.3	2.1	265	0.9	2.8	1.2	-0.4	250
275	7.6	5.7	3.7	73	0.8	2.4	1.0	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 21 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	17.5	12.7	7.3	1113	1.9	0.0	0.0	0.0	0
5	16.9	12.6	7.3	1113	1.9	36.0	1.4	-6.0	5
10	16.4	12.5	7.3	1113	1.8	40.0	2.1	-4.0	10
15	16.3	12.4	7.3	1113	1.8	38.0	3.0	-4.0	15
20	16.0	12.2	6.8	1113	1.8	54.0	4.3	-2.0	20
25	16.0	11.9	6.7	1113	1.8	42.0	5.1	-4.0	25
30	15.9	11.6	6.6	1113	1.8	64.0	7.2	-4.0	30
35	15.4	11.1	6.3	1113	1.9	58.0	8.4	-2.0	35
40	15.1	10.7	6.3	1112	1.9	44.0	8.9	-46.0	40
45	14.7	10.3	6.1	1112	1.9	72.0	8.7	-2.0	45
50	14.6	9.9	5.8	1112	1.9	32.0	6.4	-2.0	50
55	14.2	9.7	5.5	1110	1.9	36.0	5.2	-4.0	55
60	13.7	9.5	5.3	1110	1.9	28.0	4.1	-4.0	60
65	13.5	9.3	5.1	1109	1.9	24.0	3.1	-4.0	65
70	13.2	9.2	5.0	1106	1.9	20.0	2.7	-6.0	70
75	13.1	9.1	4.9	1104	1.9	20.0	2.4	-4.0	75
80	13.1	9.0	4.9	1098	1.9	14.0	2.2	-2.0	80
85	12.9	8.8	4.9	1097	1.9	16.0	2.6	-6.0	85
90	12.9	8.7	4.8	1086	1.9	14.0	2.6	-6.0	90
95	12.8	8.6	4.8	1062	1.8	22.0	2.8	-6.0	95
100	12.8	8.4	4.8	1062	1.8	22.0	3.0	-8.0	100
125	11.9	7.7	4.0	771	1.3	10.0	2.6	-2.8	125
150	10.5	7.2	4.7	241	0.9	9.6	1.0	-2.0	150
175	9.9	7.0	4.2	233	0.9	3.2	0.5	-3.2	175
200	9.7	6.9	4.3	213	0.9	2.8	0.8	-2.0	200
225	9.4	6.6	4.3	184	0.9	2.4	0.9	-1.2	225
250	9.0	6.3	4.3	130	0.9	2.8	1.2	0.0	250
275	8.4	5.9	4.3	65	0.8	2.8	1.3	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

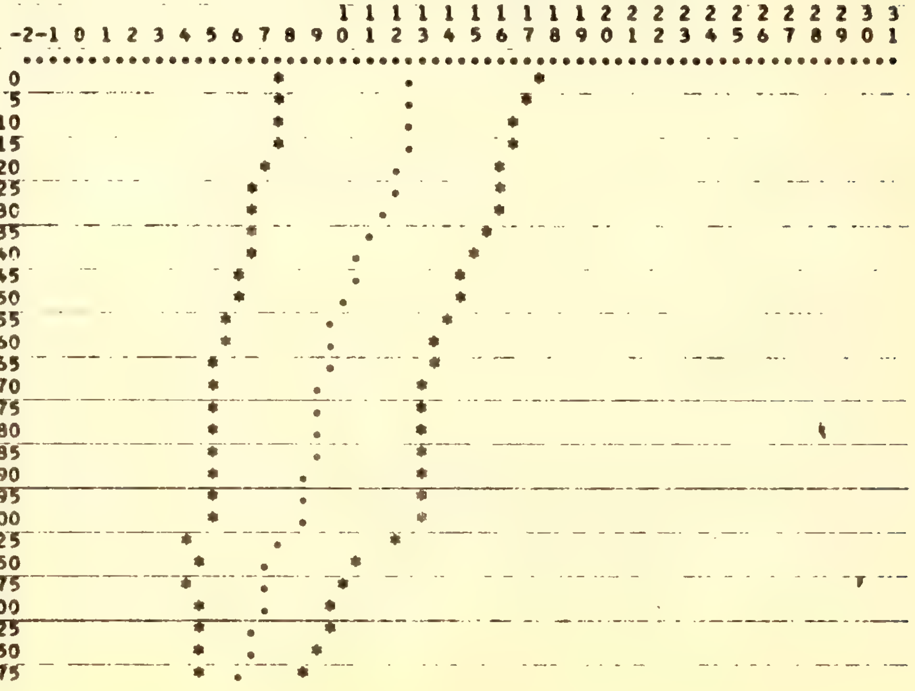


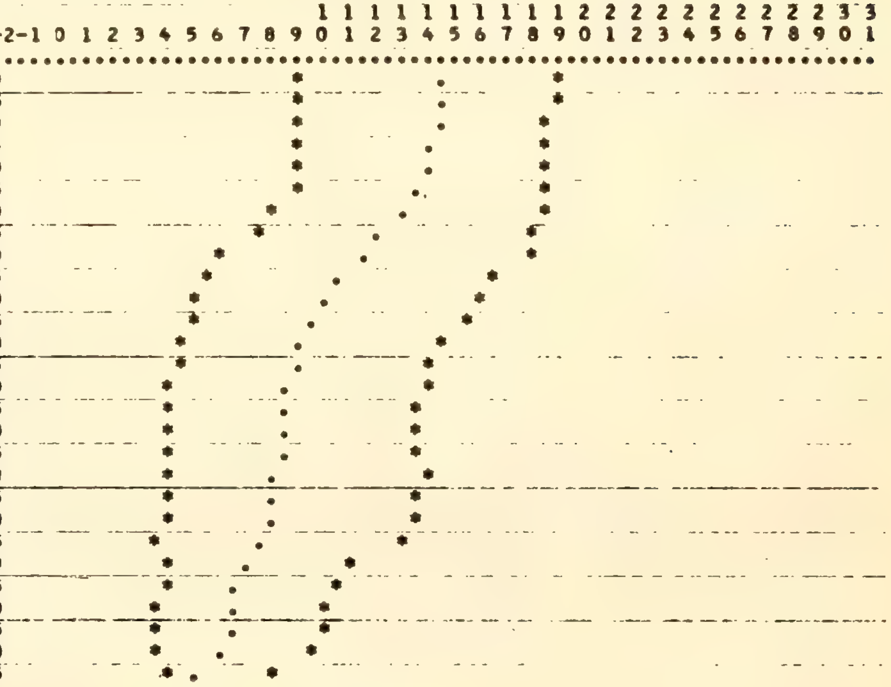
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 21 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	19.2	14.4	8.9	1384	1.8	0.0	0.0	0.0	0
5	19.0	14.3	8.9	1384	1.8	82.0	1.1	-6.0	5
10	18.7	14.3	8.9	1384	1.8	44.0	1.5	-2.0	10
15	18.6	14.1	8.9	1384	1.8	38.0	2.5	-6.0	15
20	18.6	13.9	9.0	1384	1.8	50.0	4.4	-4.0	20
25	18.4	13.6	9.0	1384	1.9	64.0	6.7	-4.0	25
30	18.4	13.0	8.0	1384	2.0	108.0	11.5	-2.0	30
35	18.2	12.2	7.3	1383	2.0	70.0	15.8	-52.0	35
40	17.9	11.3	5.9	1381	1.9	86.0	18.0	0.0	40
45	16.4	10.5	5.4	1380	1.8	82.0	16.1	-8.0	45
50	16.2	9.9	5.1	1376	1.7	68.0	11.6	-6.0	50
55	15.4	9.5	4.9	1368	1.6	48.0	8.4	-10.0	55
60	14.3	9.2	4.5	1364	1.6	42.0	6.4	-4.0	60
65	14.1	8.9	4.3	1311	1.6	48.0	4.6	-4.0	65
70	13.9	8.7	4.2	1310	1.5	36.0	3.5	-46.0	70
75	13.7	8.6	4.1	1310	1.5	60.0	3.1	-4.0	75
80	13.6	8.5	4.0	1307	1.5	16.0	2.5	-8.0	80
85	13.6	8.3	3.9	1304	1.5	24.0	2.8	-6.0	85
90	13.9	8.2	3.9	1299	1.5	18.0	2.5	-14.0	90
95	13.5	8.1	3.8	1277	1.5	18.0	2.3	-4.0	95
100	13.3	8.0	3.8	1277	1.4	18.0	2.4	-14.0	100
125	12.8	7.4	3.7	1110	1.2	12.4	2.5	-4.0	125
150	10.8	6.9	3.9	699	1.1	8.0	1.4	-4.0	150
175	10.3	6.7	3.8	668	1.0	5.6	0.6	-2.8	175
200	10.0	6.6	3.7	609	1.0	2.8	0.6	-1.6	200
225	10.0	6.4	3.6	529	1.0	3.6	0.9	-1.6	225
250	9.4	5.9	3.3	346	0.9	3.2	1.2	-0.4	250
275	8.1	5.2	4.0	85	0.6	2.0	1.0	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 21 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	23.3	16.5	11.2	1105	2.1	0.0	0.0	0.0	0
5	22.6	16.5	11.2	1105	2.1	28.0	1.0	-4.0	5
10	22.1	16.4	11.2	1105	2.1	28.0	1.6	-4.0	10
15	21.9	16.3	11.2	1105	2.0	50.0	2.7	-2.0	15
20	21.6	16.0	10.0	1105	2.1	82.0	5.9	-2.0	20
25	21.2	15.4	9.0	1102	2.3	88.0	11.5	-2.0	25
30	20.9	14.5	6.0	1102	2.6	90.0	18.9	0.0	30
35	20.7	13.3	5.0	1101	2.7	80.0	22.7	0.0	35
40	19.7	12.2	4.8	1099	2.7	92.0	21.9	-4.0	40
45	19.0	11.3	4.7	1097	2.6	76.0	18.8	0.0	45
50	17.8	10.5	4.5	1095	2.3	84.0	15.9	-4.0	50
55	16.8	9.9	4.3	1074	2.1	58.0	12.2	0.0	55
60	16.2	9.4	4.3	1071	1.9	82.0	9.1	-28.0	60
65	14.5	9.2	4.2	1027	1.8	38.0	7.0	-2.0	65
70	13.8	8.9	4.1	1026	1.7	34.0	5.5	-2.0	70
75	13.4	8.7	4.0	1022	1.7	22.0	4.1	-4.0	75
80	13.2	8.5	3.9	1017	1.6	18.0	3.2	-4.0	80
85	13.1	8.4	3.8	1013	1.6	16.0	3.3	-4.0	85
90	12.8	8.2	3.8	1002	1.6	14.0	2.8	-8.0	90
95	12.8	8.1	3.8	987	1.6	12.0	2.6	-4.0	95
100	12.7	8.0	3.7	987	1.5	14.0	2.6	-8.0	100
125	12.3	7.4	4.4	743	1.4	7.2	1.7	-3.6	125
150	10.0	6.9	4.4	453	1.1	8.0	0.9	-3.6	150
175	9.8	6.7	4.1	419	1.0	4.8	0.6	-2.8	175
200	9.7	6.6	3.9	371	1.0	2.8	0.8	-3.6	200
225	8.8	6.3	3.7	308	1.0	2.8	0.9	-0.4	225
250	8.5	6.1	3.9	192	1.0	2.4	1.0	-5.2	250
275	7.3	5.5	4.3	49	0.7	2.0	0.9	-0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

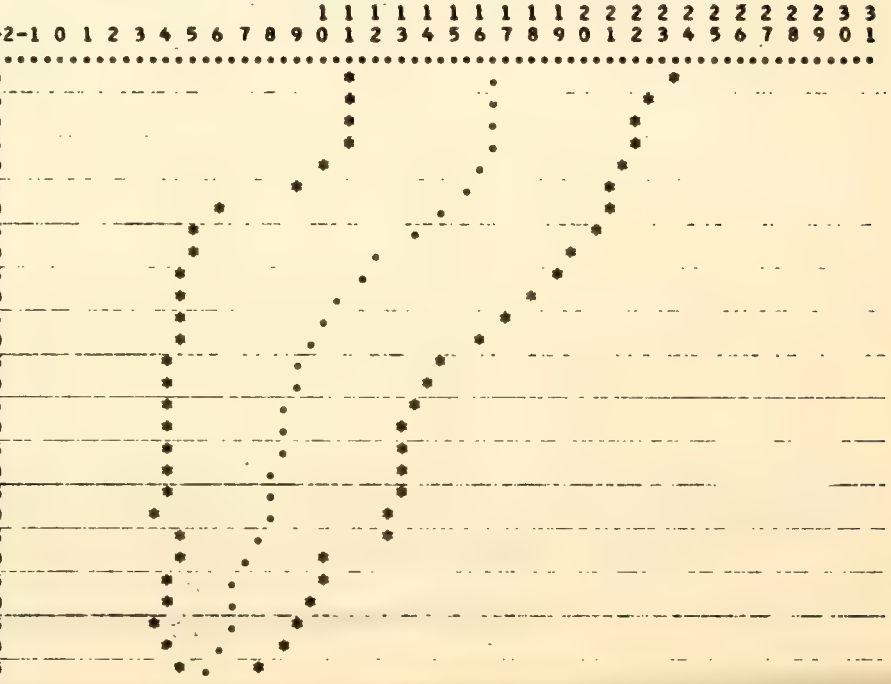


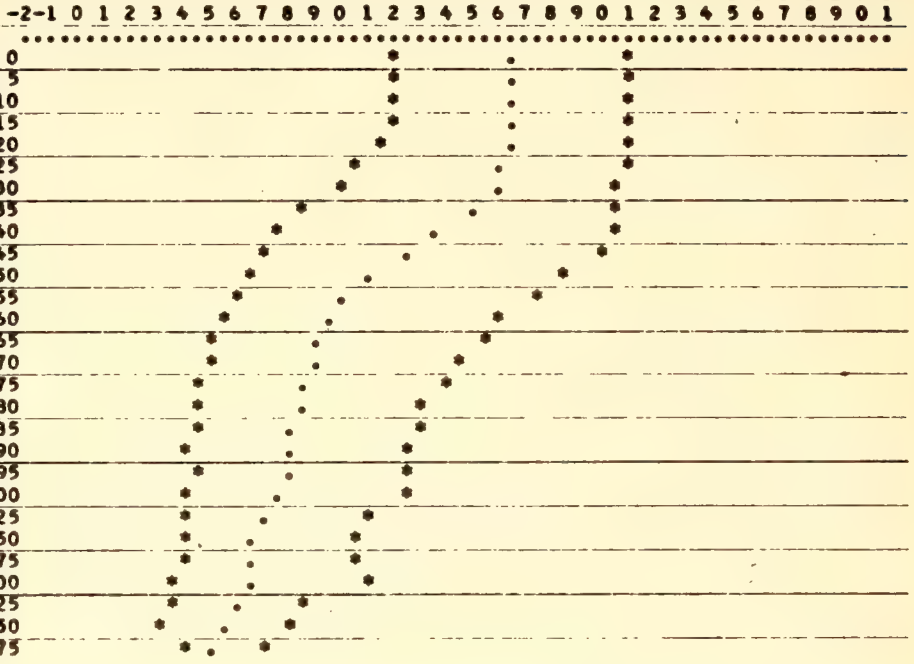
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 21 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	20.9	16.5	11.8	1008	2.0	0.0	0.0	0.0	0
5	20.9	16.5	11.8	1008	2.0	12.0	0.3	-4.0	5
10	20.9	16.4	11.8	1008	2.0	12.0	0.3	-4.0	10
15	20.9	16.4	11.8	1008	2.0	24.0	0.6	-4.0	15
20	20.8	16.4	11.7	1008	2.0	62.0	0.9	-4.0	20
25	20.8	16.2	10.6	1007	2.1	86.0	2.5	-2.0	25
30	20.7	15.8	9.8	1007	2.2	90.0	9.7	-6.0	30
35	20.6	14.9	8.5	1007	2.4	88.0	17.9	-2.0	35
40	20.3	13.6	7.5	1005	2.6	116.0	25.2	-2.0	40
45	19.8	12.3	6.9	1004	2.7	90.0	26.0	-42.0	45
50	18.6	11.1	6.5	1003	2.5	100.0	24.2	0.0	50
55	17.4	10.2	5.8	998	2.3	84.0	17.6	0.0	55
60	16.0	9.6	5.3	993	2.1	72.0	12.8	0.0	60
65	15.3	9.1	5.1	962	1.9	64.0	9.5	-24.0	65
70	14.7	8.8	4.8	962	1.8	48.0	6.8	-6.0	70
75	14.0	8.5	4.7	961	1.7	32.0	5.2	-2.0	75
80	13.1	8.3	4.7	959	1.6	20.0	4.1	-2.0	80
85	12.8	8.1	4.4	958	1.6	18.0	3.8	-96.0	85
90	12.6	8.0	4.0	950	1.5	56.0	3.2	-12.0	90
95	12.6	7.8	4.3	946	1.4	24.0	2.8	-50.0	95
100	12.4	7.7	4.1	946	1.4	18.0	2.9	-4.0	100
125	11.1	7.0	4.0	791	1.0	8.8	2.1	-3.2	125
150	10.6	6.6	4.1	489	0.9	6.8	1.3	-2.8	150
175	10.4	6.5	3.8	453	0.8	8.4	0.6	-2.0	175
200	11.2	6.3	3.4	398	0.9	4.4	0.7	-22.0	200
225	8.5	6.1	3.3	310	0.9	4.0	1.0	-0.8	225
250	8.1	5.7	2.8	212	0.8	3.2	1.1	-0.4	250
275	6.8	5.2	4.1	40	0.7	2.4	1.0	-0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 21 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	20.2	14.9	9.3	510	2.0	0.0	0.0	0.0	0
5	20.2	14.9	9.3	510	2.0	4.0	0.1	-4.0	5
10	20.2	14.9	9.3	510	2.0	8.0	0.1	-2.0	10
15	20.2	14.9	9.3	510	2.0	6.0	0.1	-2.0	15
20	20.2	14.9	9.3	510	2.0	12.0	0.3	-4.0	20
25	20.2	14.9	8.7	510	2.0	74.0	0.6	-2.0	25
30	20.2	14.8	7.3	510	2.1	58.0	1.3	-2.0	30
35	20.3	14.6	6.8	508	2.2	84.0	4.0	-2.0	35
40	20.2	14.1	6.2	507	2.5	92.0	9.4	-2.0	40
45	19.9	13.3	5.9	506	2.8	104.0	15.6	-4.0	45
50	19.7	12.5	5.6	501	2.9	92.0	18.1	-18.0	50
55	19.3	11.7	5.3	485	2.9	78.0	18.0	-2.0	55
60	18.5	11.0	5.4	478	2.8	72.0	14.7	-4.0	60
65	18.0	10.5	5.4	463	2.7	64.0	12.5	-6.0	65
70	17.1	10.0	5.5	461	2.6	62.0	9.3	-8.0	70
75	16.3	9.6	5.4	458	2.5	76.0	7.3	-4.0	75
80	15.5	9.3	5.1	454	2.4	56.0	6.1	-4.0	80
85	15.2	9.0	5.2	454	2.2	62.0	6.0	-28.0	85
90	14.9	8.8	5.0	446	2.1	44.0	4.4	-20.0	90
95	14.6	8.7	5.0	437	2.0	44.0	3.4	-4.0	95
100	14.3	8.5	4.9	437	1.9	26.0	3.3	-2.0	100
125	13.6	8.0	4.9	366	1.6	9.6	2.6	-1.2	125
150	12.4	7.9	5.1	210	1.2	8.8	2.7	-2.0	150
175	11.9	7.5	5.0	203	1.1	6.0	1.6	-2.0	175
200	11.2	7.3	4.5	195	1.1	4.0	1.0	-1.6	200
225	10.9	7.0	4.2	172	1.0	2.8	0.9	-1.2	225
250	8.8	6.7	4.8	124	0.7	2.4	1.0	0.0	250
275	6.3	6.1	5.9	3	0.2	1.2	0.7	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

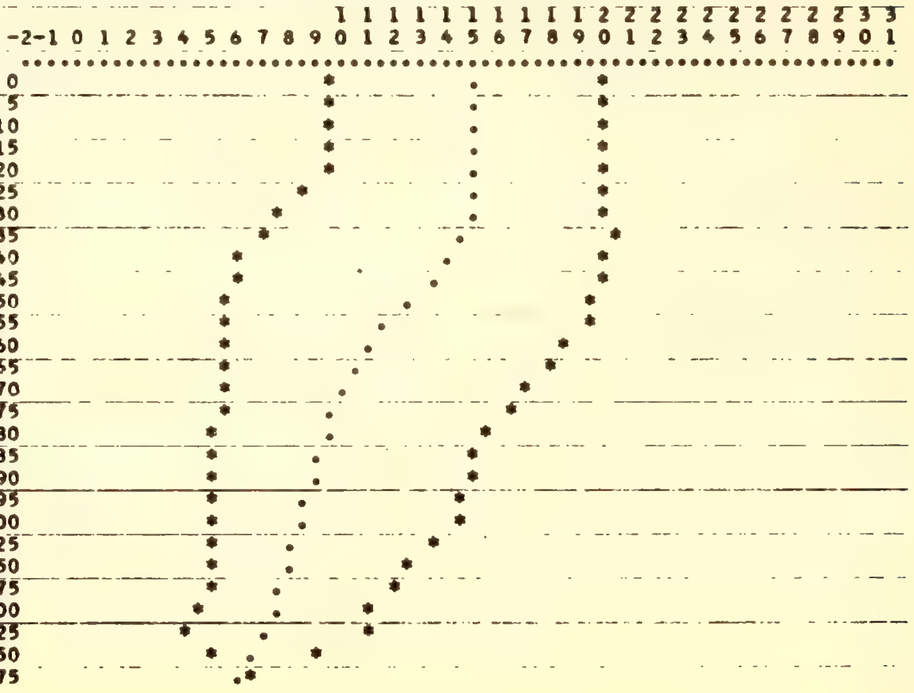
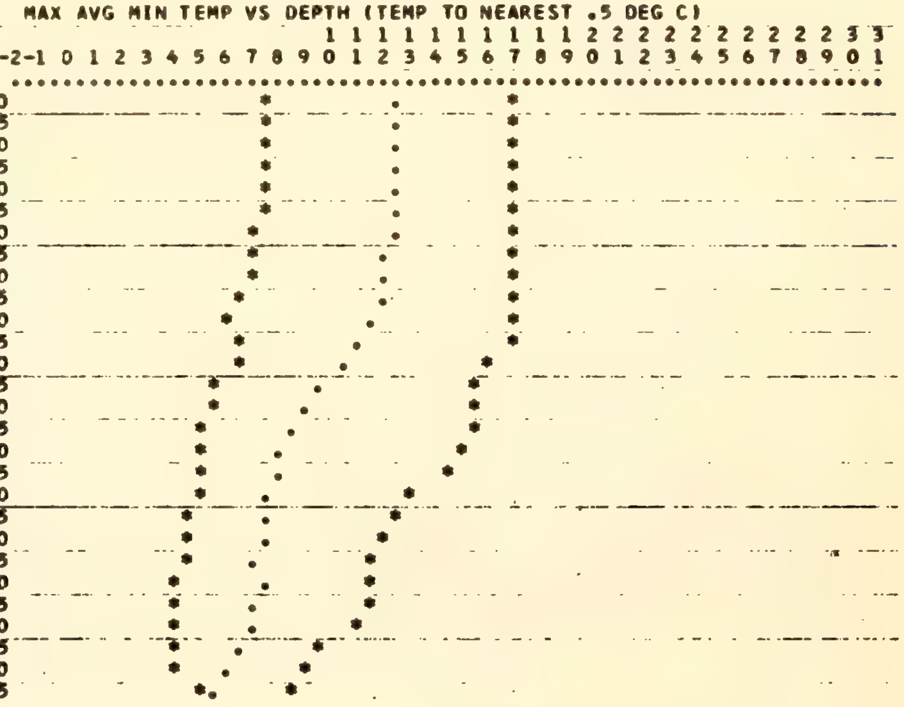


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 21   MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	16.9	12.5	7.5	385	2.2	0.0	0.0	0.0	0
5	16.9	12.5	7.6	385	2.2	6.0	-0.0	-4.0	5
10	16.9	12.5	7.6	385	2.1	6.0	0.1	-2.0	10
15	16.9	12.5	7.6	385	2.1	60.0	0.5	-4.0	15
20	16.9	12.4	7.6	385	2.2	88.0	2.0	-4.0	20
25	16.9	12.3	7.6	385	2.2	52.0	1.0	-4.0	25
30	17.0	12.3	6.9	385	2.2	24.0	0.8	-8.0	30
35	16.9	12.2	6.9	385	2.3	54.0	1.0	-6.0	35
40	16.9	12.1	7.0	385	2.3	54.0	2.2	-4.0	40
45	16.9	11.9	6.6	384	2.3	68.0	4.5	-6.0	45
50	16.9	11.5	6.2	383	2.4	94.0	7.9	-4.0	50
55	16.8	11.1	6.6	373	2.4	112.0	11.4	-4.0	55
60	16.1	10.3	6.3	373	2.3	72.0	15.4	-10.0	60
65	15.6	9.6	5.6	371	2.3	80.0	14.7	-20.0	65
70	15.3	9.0	5.3	371	2.1	50.0	12.1	-4.0	70
75	15.3	8.5	5.2	370	2.0	50.0	9.5	-2.0	75
80	15.2	8.1	5.2	370	1.8	46.0	7.6	-2.0	80
85	14.7	7.8	4.9	368	1.6	48.0	6.5	-2.0	85
90	13.1	7.5	4.8	364	1.5	40.0	4.7	-16.0	90
95	12.3	7.4	4.7	359	1.5	20.0	3.1	-4.0	95
100	12.2	7.3	4.6	359	1.5	20.0	2.6	-8.0	100
125	11.6	7.0	4.6	293	1.4	6.4	1.4	-3.6	125
150	11.4	7.3	4.2	151	1.6	4.8	0.5	-4.4	150
175	11.3	7.2	4.0	145	1.5	5.2	0.6	-2.0	175
200	11.0	6.9	4.0	133	1.6	2.8	1.0	-1.2	200
225	9.4	6.3	4.1	104	1.2	2.0	1.1	0.0	225
250	9.0	5.8	3.9	69	1.2	2.8	1.1	0.0	250
275	8.6	5.7	4.8	22	0.8	3.2	1.4	0.4	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 21   MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	20.4	10.3	6.9	303	2.0	0.0	0.0	0.0	0
5	20.5	10.3	6.9	303	2.0	4.0	0.0	-4.0	5
10	20.5	10.3	6.8	303	2.0	4.0	0.0	-2.0	10
15	20.5	10.3	6.8	303	2.0	4.0	-0.1	-8.0	15
20	20.4	10.3	6.8	303	2.0	4.0	0.0	-2.0	20
25	20.4	10.3	6.8	303	2.0	2.0	0.0	-2.0	25
30	20.3	10.3	6.8	303	2.0	8.0	0.1	-2.0	30
35	20.2	10.3	6.8	303	2.0	6.0	0.0	-2.0	35
40	20.1	10.2	6.8	303	2.0	30.0	0.2	-2.0	40
45	19.1	10.2	6.8	303	2.0	20.0	0.4	-2.0	45
50	17.9	10.2	6.7	302	1.9	28.0	0.9	-2.0	50
55	15.6	10.1	6.9	299	1.9	52.0	1.8	-4.0	55
60	15.5	9.9	6.3	299	1.8	74.0	3.7	-2.0	60
65	15.1	9.7	6.3	295	1.8	54.0	4.0	-76.0	65
70	15.0	9.4	6.2	284	1.8	52.0	4.7	-4.0	70
75	14.7	9.1	5.1	280	1.7	58.0	6.4	-2.0	75
80	14.2	8.8	4.9	277	1.7	68.0	7.3	-2.0	80
85	14.0	8.4	4.8	272	1.6	48.0	7.6	-4.0	85
90	14.0	8.0	4.7	272	1.6	32.0	7.3	-2.0	90
95	13.8	7.7	4.7	263	1.5	40.0	6.4	-2.0	95
100	13.0	7.5	4.6	263	1.4	28.0	5.4	-4.0	100
125	11.7	6.8	4.8	210	1.1	12.4	2.5	-2.8	125
150	11.0	6.8	4.9	117	0.9	5.2	0.5	-2.4	150
175	10.6	6.7	4.7	113	0.9	2.8	0.4	-1.6	175
200	9.9	6.5	4.3	105	0.9	3.2	0.8	-1.2	200
225	9.8	6.3	4.1	86	0.9	2.4	1.1	0.0	225
250	8.3	6.1	4.6	60	0.7	3.2	1.1	0.0	250
275	6.7	5.7	4.3	32	0.5	2.0	1.0	0.4	275

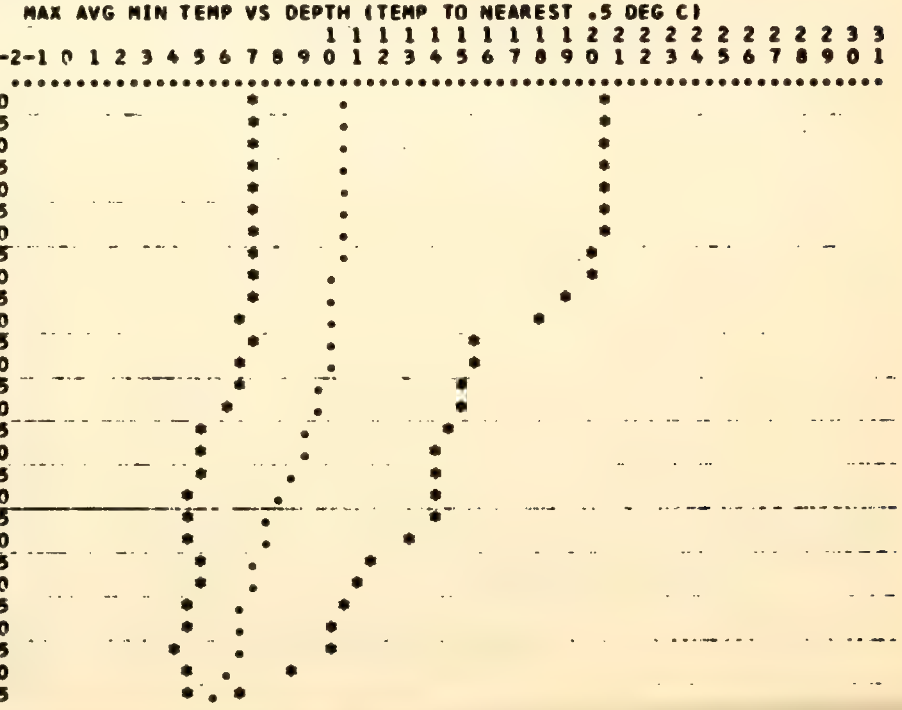
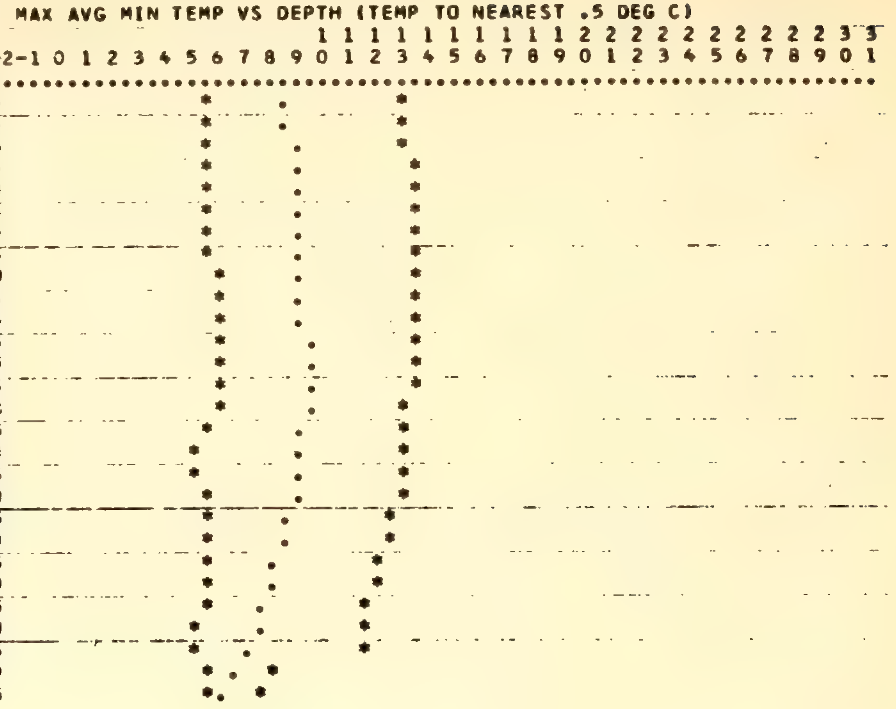


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 22 MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	13.2	8.6	5.6	697	1.2	0.0	0.0	0.0	0
5	13.2	8.7	5.6	697	1.2	12.0	-1.8	-54.0	5
10	13.2	8.8	5.6	695	1.2	16.0	-2.0	-48.0	10
15	13.3	8.9	5.6	694	1.2	12.0	-1.8	-38.0	15
20	13.4	8.9	5.6	652	1.2	8.0	-0.9	-14.0	20
25	13.5	8.9	5.6	648	1.2	16.0	-0.6	-20.0	25
30	13.5	8.9	5.6	646	1.2	18.0	-0.6	-18.0	30
35	13.6	9.0	5.6	642	1.1	16.0	-0.6	-16.0	35
40	13.6	9.0	6.0	628	1.1	10.0	-0.6	-16.0	40
45	13.3	9.0	6.0	553	1.1	34.0	-0.3	-12.0	45
50	13.3	9.2	6.0	338	1.1	8.0	-0.1	-12.0	50
55	13.3	9.3	6.0	284	1.1	12.0	0.2	-6.0	55
60	13.3	9.3	6.0	276	1.1	20.0	0.3	-14.0	60
65	13.3	9.4	6.0	253	1.1	18.0	0.6	-14.0	65
70	13.1	9.3	5.9	251	1.1	24.0	1.2	-10.0	70
75	13.1	9.2	5.3	246	1.1	28.0	1.9	-8.0	75
80	13.2	9.1	5.2	240	1.1	20.0	2.3	-26.0	80
85	13.0	9.0	5.2	237	1.1	22.0	2.6	-6.0	85
90	12.9	8.9	5.5	235	1.1	12.0	2.5	-6.0	90
95	12.7	8.7	5.6	226	1.1	32.0	2.4	-14.0	95
100	12.6	8.6	5.7	226	1.1	18.0	2.0	-6.0	100
125	12.2	8.2	5.6	201	1.0	8.0	1.4	-1.6	125
150	12.2	8.0	5.5	129	1.2	4.0	1.1	-0.8	150
175	11.7	7.7	5.4	116	1.1	3.2	1.0	0.0	175
200	11.6	7.5	5.2	108	1.2	3.6	1.0	-0.4	200
225	11.3	7.0	5.1	78	0.7	2.4	0.9	-0.4	225
250	7.9	6.6	5.6	48	0.4	2.8	1.1	0.0	250
275	7.3	6.2	5.4	14	0.4	1.6	1.0	0.4	275


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 22 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	11.5	8.9	4.8	750	1.3	0.0	0.0	0.0	0
5	11.5	9.0	4.9	750	1.3	8.0	-1.2	-38.0	5
10	11.5	9.0	4.7	747	1.3	16.0	-0.8	-24.0	10
15	11.5	9.0	5.1	741	1.3	16.0	-0.5	-28.0	15
20	11.5	9.0	5.1	708	1.2	20.0	-0.3	-24.0	20
25	11.4	8.9	5.1	675	1.2	32.0	-0.2	-20.0	25
30	11.4	8.9	5.9	667	1.1	22.0	-0.4	-16.0	30
35	11.4	8.8	6.1	626	1.1	32.0	-0.3	-14.0	35
40	11.3	8.9	6.2	595	1.1	12.0	-0.4	-16.0	40
45	11.3	8.9	6.2	540	1.0	22.0	-0.2	-12.0	45
50	11.3	9.0	6.2	381	0.9	4.0	0.0	-10.0	50
55	11.2	9.0	6.1	331	0.9	8.0	0.2	-6.0	55
60	11.3	9.0	6.0	307	0.8	6.0	0.0	-8.0	60
65	11.2	8.9	6.0	278	0.7	12.0	0.5	-6.0	65
70	11.2	8.9	6.0	276	0.7	18.0	0.8	-6.0	70
75	11.1	8.8	6.0	273	0.7	30.0	1.1	-6.0	75
80	11.2	8.8	6.1	270	0.8	20.0	1.3	-12.0	80
85	11.2	8.7	6.2	268	0.8	16.0	1.7	-14.0	85
90	11.2	8.6	6.4	264	0.8	16.0	1.4	-22.0	90
95	11.1	8.5	6.3	256	0.8	12.0	1.5	-6.0	95
100	10.9	8.4	5.9	256	0.7	14.0	1.7	-10.0	100
125	10.7	8.0	5.4	222	0.7	7.2	1.8	-2.0	125
150	9.7	7.7	6.8	153	0.4	4.8	0.7	-2.4	150
175	9.1	7.5	6.7	149	0.4	2.4	0.6	-0.8	175
200	8.9	7.3	6.3	139	0.3	2.4	0.9	-0.8	200
225	8.7	7.0	6.1	112	0.3	2.4	0.9	-0.4	225
250	8.4	6.7	5.9	95	0.3	2.0	1.0	0.0	250
275	6.8	6.3	5.9	21	0.2	2.4	1.2	0.4	275

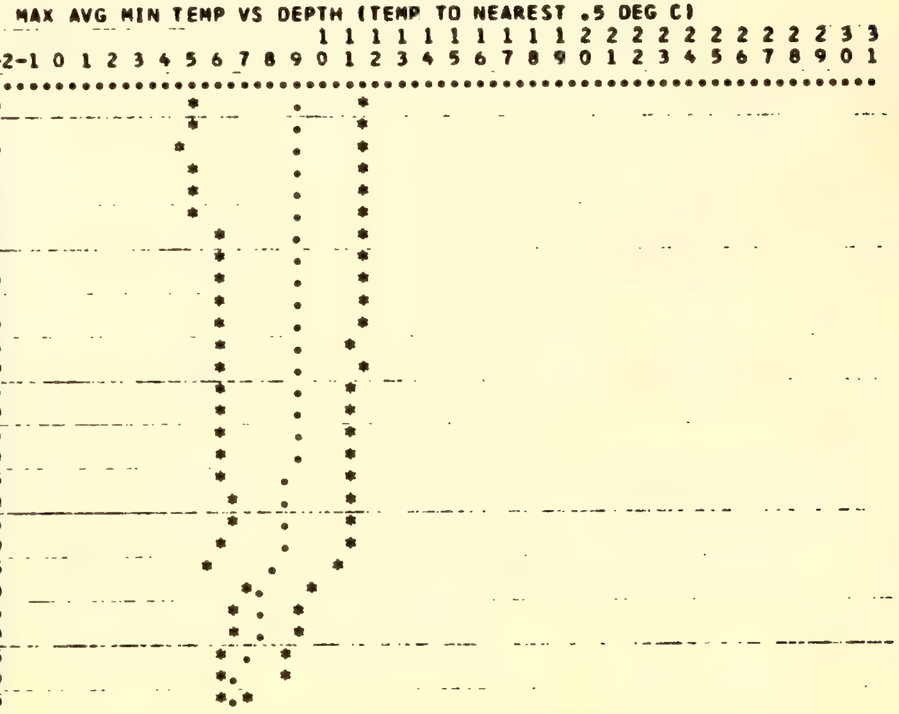

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.--Continued

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                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 22   MONTH  3
                                                                  MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                           1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                      GRADIENT               -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS  MAX   AVG   MIN   NUM  SDEV        MAX    AVG    MIN      ....................................................................
     0 11.4   8.5   6.2   594   1.0        0.0    0.0    0.0    0                  *    .     *
     5 11.0   8.5   6.1   594   1.0       18.0    0.2  -12.0    5                  *    .    *
    10 11.0   8.4   6.2   594   0.9       14.0    0.3   -8.0   10                  *    .    *
    15 10.9   8.4   6.2   593   0.9       16.0    0.1  -16.0   15                  *    .    *
    20 11.0   8.4   6.2   591   0.9       12.0    0.0  -10.0   20                  *    .    *
    25 11.0   8.4   6.1   589   0.9       26.0    0.2   -8.0   25                  *    .    *
    30 10.9   8.4   5.9   587   0.9       22.0    0.0  -10.0   30                  *    .    *
    35 10.8   8.4   5.6   579   0.9       12.0   -0.2   -8.0   35                 *     .    *
    40 10.8   8.4   5.6   560   0.9       16.0   -0.3  -14.0   40                 *     .    *
    45 10.8   8.5   6.1   492   0.9       14.0   -0.2  -10.0   45                  *    .    *
    50 10.7   8.6   6.1   352   0.9        8.0   -0.0   -8.0   50                  *    .   *
    55 10.7   8.8   6.1   293   0.8        4.0    0.0   -8.0   55                  *     .  *
    60 10.6   8.8   6.1   283   0.8        6.0   -0.0  -10.0   60                  *     .  *
    65 10.6   8.9   7.0   257   0.7       10.0    0.2   -8.0   65                    *   .  *
    70 10.5   8.9   7.0   255   0.7        6.0    0.4   -4.0   70                    *   .  *
    75 10.5   8.9   7.0   251   0.7       10.0    0.7   -4.0   75                    *   .  *
    80 10.4   8.8   7.0   246   0.6       10.0    0.8  -12.0   80                    *   .  *
    85 10.4   8.8   7.0   245   0.7       22.0    1.5   -4.0   85                    *   .  *
    90 10.4   8.7   7.0   242   0.7       14.0    1.7   -6.0   90                    *  .   *
    95 10.4   8.6   7.0   233   0.6       16.0    1.7   -2.0   95                    *  .   *
   100 10.4   8.5   6.9   233   0.6       16.0    1.8   -8.0  100                    *  .   *
   125 10.0   8.1   6.7   212   0.6        6.0    1.6   -1.6  125                   *  .   *
   150  9.4   7.7   6.7   161   0.4        3.2    1.1   -1.2  150                   * .   *
   175  9.0   7.4   6.3   153   0.3        3.2    1.1   -1.2  175                   * .  *
   200  8.3   7.1   6.3   142   0.3        2.8    1.1    0.0  200                   *.  *
   225  7.9   6.9   5.3   124   0.3        5.2    1.1    0.4  225                 *  . *
   250  7.9   6.7   5.9   109   0.3        2.4    1.0   -3.2  250                  *.  *
   275  6.8   6.2   5.5     9   0.4        1.6    0.8    0.4  275                 *. *
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                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 22   MONTH  4
                                                                  MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                           1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                      GRADIENT               -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS  MAX   AVG   MIN   NUM  SDEV        MAX    AVG    MIN      ....................................................................
     0 12.2   9.1   6.0   694   0.8        0.0    0.0    0.0    0                  *     .     *
     5 12.0   9.1   6.0   694   0.8       22.0    1.4  -12.0    5                  *     .     *
    10 12.0   8.9   6.0   694   0.8       30.0    2.7   -2.0   10                  *     .     *
    15 11.9   8.8   6.0   694   0.8       24.0    2.6   -6.0   15                  *     .     *
    20 11.6   8.7   6.0   694   0.8       22.0    2.3  -16.0   20                  *    .     *
    25 11.1   8.6   6.0   694   0.8       16.0    2.1   -8.0   25                  *    .    *
    30 11.0   8.5   6.0   693   0.9       26.0    2.0   -8.0   30                  *    .    *
    35 10.9   8.4   6.0   687   0.9       18.0    1.4  -10.0   35                  *    .    *
    40 10.8   8.3   5.8   659   0.9       16.0    1.2  -14.0   40                  *    .    *
    45 10.9   8.3   5.7   604   0.9       18.0    1.1  -10.0   45                 *     .    *
    50 10.7   8.3   5.5   526   0.9       14.0    0.8  -10.0   50                 *     .   *
    55 10.7   8.3   5.3   470   1.0       18.0    0.9  -10.0   55                 *     .   *
    60 10.7   8.2   5.2   441   0.9       12.0    1.0   -4.0   60                *     .    *
    65 10.7   8.4   5.1   374   0.8       12.0    0.8   -8.0   65                *      .   *
    70 10.7   8.4   5.0   369   0.8       14.0    0.7  -10.0   70                *      .   *
    75 10.7   8.3   4.9   367   0.8       10.0    0.6   -8.0   75                *      .   *
    80 10.7   8.3   5.4   363   0.7       14.0    0.6  -10.0   80                 *     .   *
    85 10.4   8.2   5.4   363   0.7       14.0    1.1  -10.0   85                 *    .    *
    90 10.4   8.2   5.2   361   0.7       16.0    1.1  -14.0   90                *     .    *
    95 10.1   8.1   5.2   353   0.7       16.0    1.5   -6.0   95                *     .   *
   100 10.1   8.0   4.8   353   0.7       16.0    1.8   -8.0  100                *     .   *
   125  8.9   7.7   4.6   304   0.5       10.0    1.2   -3.6  125               *     .  *
   150  8.8   7.5   5.8   188   0.5        6.8    1.3   -1.6  150                  *  .  *
   175  8.4   7.3   5.5   163   0.4        3.2    1.0   -0.4  175                 *   . *
   200  8.3   7.0   5.1   154   0.4        2.4    1.2   -1.2  200                *   .  *
   225  7.9   6.8   4.9   117   0.5        2.4    1.0    0.0  225                *   . *
   250  7.5   6.5   4.8   111   0.5        2.8    1.2    0.0  250                *  . *
   275  7.0   6.2   5.2    25   0.3        2.0    1.0    0.0  275                * . *
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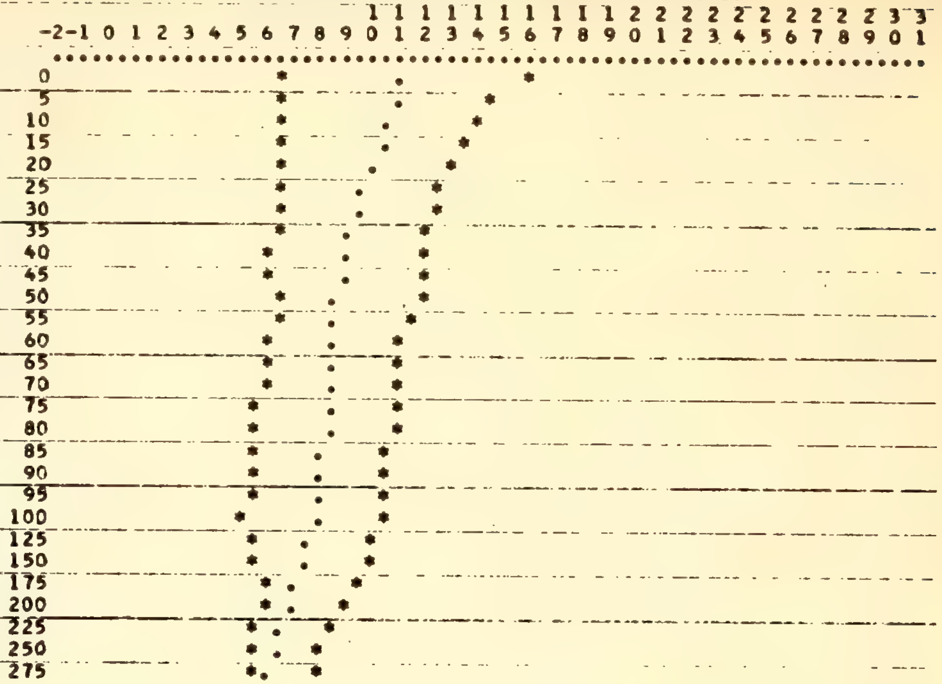
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 22 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT		
						MAX	AVG	MIN
0	16.1	11.2	6.7	854	1.4	0.0	0.0	0.0
5	14.6	11.1	6.7	854	1.3	82.0	3.7	-4.0
10	14.1	10.7	6.7	854	1.2	54.0	6.8	-6.0
15	13.5	10.3	6.7	854	1.2	50.0	7.9	-24.0
20	12.9	10.0	6.7	853	1.1	42.0	6.9	-14.0
25	12.6	9.7	6.7	850	1.0	52.0	6.4	-6.0
30	12.3	9.4	6.7	848	1.0	38.0	5.7	-22.0
35	12.2	9.1	6.7	846	0.9	52.0	5.1	-20.0
40	12.2	8.9	6.2	823	0.8	62.0	4.4	-14.0
45	12.1	8.8	6.0	785	0.8	24.0	3.1	-74.0
50	12.0	8.7	6.4	683	0.8	26.0	2.5	-16.0
55	11.7	8.7	6.3	610	0.7	22.0	2.4	-8.0
60	11.2	8.6	6.0	586	0.7	18.0	2.3	-6.0
65	11.2	8.6	5.9	545	0.6	18.0	2.2	-6.0
70	11.1	8.5	5.8	541	0.6	16.0	2.1	-4.0
75	11.0	8.4	5.7	536	0.6	26.0	2.4	-4.0
80	10.9	8.3	5.7	520	0.6	20.0	2.2	-12.0
85	10.7	8.1	5.7	509	0.7	26.0	2.7	-6.0
90	10.6	8.0	5.7	495	0.7	22.0	2.9	-8.0
95	10.6	7.9	5.5	465	0.7	24.0	2.5	-8.0
100	10.4	7.8	5.1	465	0.7	18.0	1.8	-10.0
125	10.1	7.5	5.5	423	0.6	8.8	1.1	-2.4
150	9.8	7.3	5.5	288	0.6	3.6	0.6	-2.4
175	9.3	7.1	5.9	280	0.5	2.4	0.7	-1.2
200	8.8	6.8	5.9	267	0.4	3.2	1.0	0.0
225	8.4	6.6	5.6	243	0.3	2.8	0.9	0.0
250	8.2	6.4	5.4	211	0.3	2.4	0.9	-0.4
275	8.1	6.1	5.4	94	0.3	2.4	0.7	-0.8

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 22 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT		
						MAX	AVG	MIN
0	17.0	13.0	8.6	1236	1.5	0.0	0.0	0.0
5	17.0	12.7	8.0	1236	1.6	66.0	5.7	-8.0
10	16.4	12.1	6.9	1235	1.6	90.0	12.2	-8.0
15	15.7	11.3	6.9	1233	1.6	94.0	14.6	-14.0
20	15.1	10.6	6.8	1230	1.6	104.0	14.1	-10.0
25	14.6	10.1	6.7	1221	1.4	64.0	11.9	-22.0
30	13.5	9.5	1.0	1212	1.3	188.0	10.7	-6.0
35	13.1	9.2	6.0	1200	1.1	34.0	8.0	-176.0
40	13.0	8.9	5.8	1174	1.0	50.0	6.3	-6.0
45	12.7	8.6	6.2	1117	0.9	38.0	5.0	-6.0
50	11.9	8.5	6.0	978	0.8	44.0	3.5	-2.0
55	11.5	8.4	5.8	907	0.8	24.0	3.1	-4.0
60	11.4	8.3	5.6	885	0.7	16.0	2.5	-4.0
65	11.3	8.3	5.5	830	0.7	20.0	2.2	-4.0
70	11.2	8.2	5.3	797	0.7	14.0	1.9	-10.0
75	11.1	8.1	5.2	780	0.7	10.0	1.8	-6.0
80	10.9	8.0	5.1	772	0.7	14.0	1.5	-6.0
85	10.8	8.0	5.1	763	0.6	12.0	1.7	-6.0
90	10.7	7.9	5.1	751	0.6	12.0	1.5	-16.0
95	10.6	7.8	5.1	723	0.6	16.0	1.5	-16.0
100	10.5	7.8	5.1	723	0.6	12.0	1.4	-12.0
125	10.0	7.6	4.8	599	0.5	8.4	1.1	-6.0
150	9.9	7.5	4.5	381	0.6	4.0	1.1	-1.2
175	9.6	7.2	4.3	373	0.5	3.6	1.1	-1.6
200	9.3	7.0	4.1	325	0.5	3.2	1.1	-0.8
225	9.0	6.7	3.9	278	0.5	2.8	1.1	0.0
250	8.9	6.5	3.7	233	0.5	2.0	1.0	0.0
275	8.5	6.2	5.2	80	0.5	2.0	0.9	0.0

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

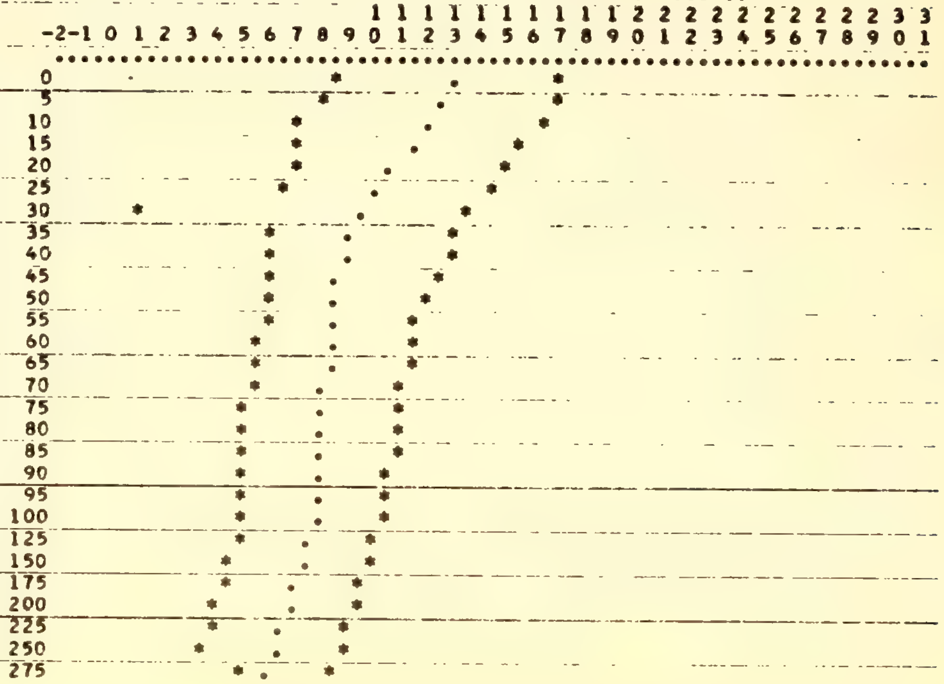


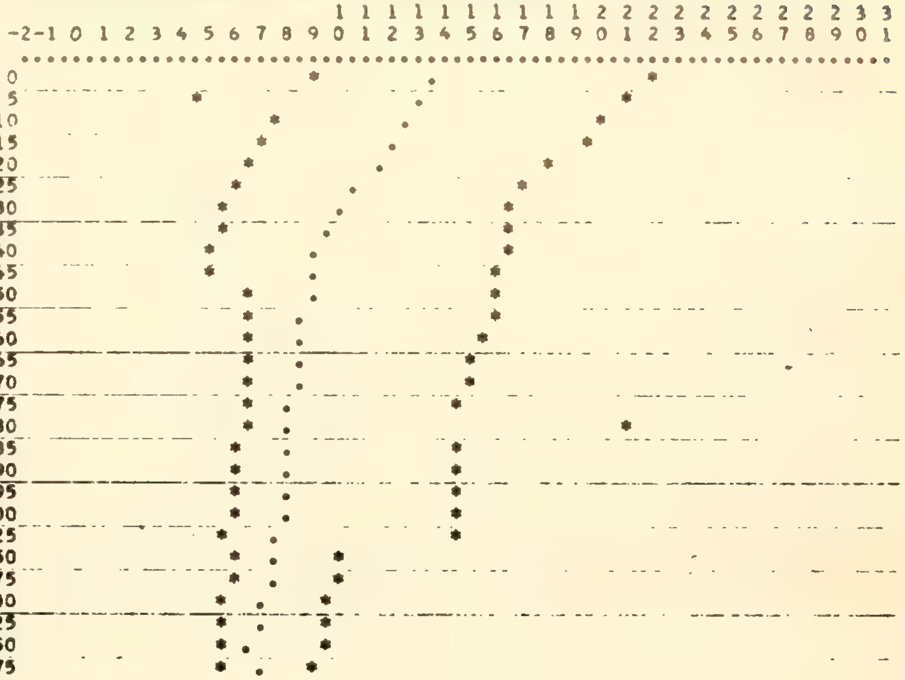
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 22 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.8	13.5	8.9	784	2.1	0.0	0.0	0.0	0
5	21.1	13.1	4.7	784	2.3	208.0	8.0	-12.0	5
10	19.8	12.6	7.6	784	2.4	124.0	10.4	-198.0	10
15	19.3	12.0	7.1	784	2.3	94.0	12.8	-6.0	15
20	18.0	11.3	6.6	782	2.3	80.0	13.6	-12.0	20
25	16.8	10.7	6.0	781	2.1	110.0	13.1	-6.0	25
30	16.6	10.0	5.7	778	1.9	84.0	12.6	-6.0	30
35	16.6	9.5	5.3	775	1.6	66.0	11.1	-2.0	35
40	16.5	9.1	5.2	740	1.4	78.0	9.4	-6.0	40
45	16.2	8.8	5.1	619	1.2	48.0	7.7	-2.0	45
50	15.9	8.8	6.4	467	1.2	32.0	5.6	-6.0	50
55	15.8	8.7	6.4	419	1.1	26.0	4.7	-2.0	55
60	15.4	8.5	6.3	411	1.0	20.0	3.9	-6.0	60
65	15.0	8.4	6.3	399	0.9	18.0	3.2	-2.0	65
70	14.9	8.3	6.3	397	0.9	14.0	2.6	-2.0	70
75	14.7	8.2	6.3	394	0.9	22.0	2.2	-4.0	75
80	20.9	8.1	6.3	384	1.1	12.0	1.1	-250.0	80
85	14.4	8.0	6.2	381	0.8	252.0	2.4	-6.0	85
90	14.3	8.0	6.1	373	0.8	8.0	1.4	-10.0	90
95	14.3	7.9	5.9	366	0.8	10.0	1.1	-6.0	95
100	14.3	7.9	5.8	366	0.8	12.0	1.1	-10.0	100
125	14.4	7.7	5.7	324	0.7	4.8	1.0	-2.4	125
150	10.0	7.5	6.0	226	0.6	3.6	0.8	-2.0	150
175	9.9	7.3	6.0	206	0.6	3.6	0.9	-0.8	175
200	9.7	7.0	5.6	179	0.6	2.8	1.0	-0.4	200
225	9.5	6.8	5.6	127	0.6	2.0	1.0	0.0	225
250	9.3	6.6	5.3	93	0.7	2.0	0.9	0.0	250
275	8.9	6.9	5.5	20	1.2	1.6	1.1	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 22 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	19.9	14.1	9.4	1001	2.2	0.0	0.0	0.0	0
5	19.8	13.7	9.0	1001	2.4	92.0	8.3	-12.0	5
10	19.8	13.0	7.6	1000	2.6	86.0	12.9	-8.0	10
15	19.8	12.2	7.5	999	2.8	86.0	15.9	-20.0	15
20	19.7	11.5	7.3	996	2.9	104.0	15.5	-10.0	20
25	24.1	10.7	7.2	992	2.8	128.0	15.0	-160.0	25
30	18.8	10.0	6.3	984	2.5	206.0	14.3	-8.0	30
35	18.6	9.4	5.8	971	2.2	104.0	12.4	-10.0	35
40	18.4	9.0	5.0	930	1.7	78.0	10.2	-6.0	40
45	18.4	8.7	6.0	758	1.5	60.0	8.6	-12.0	45
50	18.0	8.6	5.7	611	1.3	42.0	6.6	-4.0	50
55	16.7	8.4	5.5	567	1.1	40.0	5.0	-6.0	55
60	15.6	8.2	5.2	554	1.0	26.0	4.0	-8.0	60
65	15.3	8.1	5.3	548	0.9	18.0	3.0	-6.0	65
70	14.0	8.0	5.2	539	0.8	26.0	2.3	-12.0	70
75	13.4	7.9	5.0	522	0.7	12.0	1.8	-8.0	75
80	13.4	7.8	4.8	515	0.7	12.0	1.4	-10.0	80
85	12.7	7.8	4.6	508	0.7	14.0	1.1	-12.0	85
90	12.5	7.7	4.6	493	0.7	10.0	0.8	-6.0	90
95	12.2	7.7	4.6	473	0.6	10.0	0.7	-6.0	95
100	12.1	7.7	4.6	473	0.6	8.0	0.5	-8.0	100
125	10.9	7.6	4.3	378	0.6	5.2	0.7	-6.0	125
150	9.4	7.5	4.1	236	0.6	4.8	0.7	-2.4	150
175	9.1	7.2	3.8	226	0.6	2.4	0.9	-2.0	175
200	8.8	7.0	3.6	199	0.5	3.2	1.2	0.0	200
225	8.5	6.7	5.3	152	0.4	2.4	1.1	-0.4	225
250	8.3	6.5	4.9	111	0.4	2.0	1.0	0.0	250
275	7.6	6.3	4.8	50	0.4	2.0	0.8	-0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

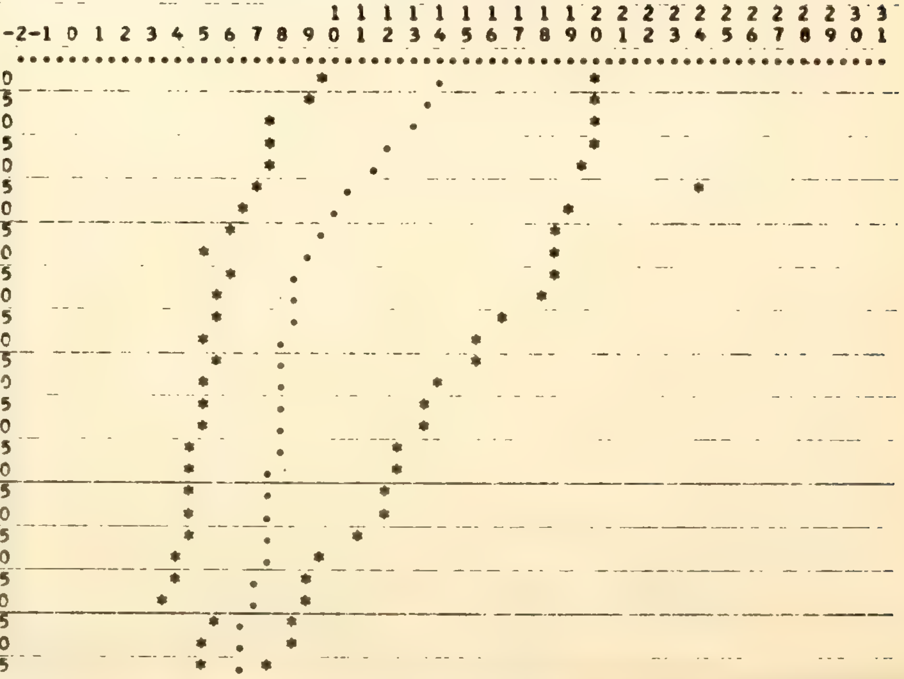


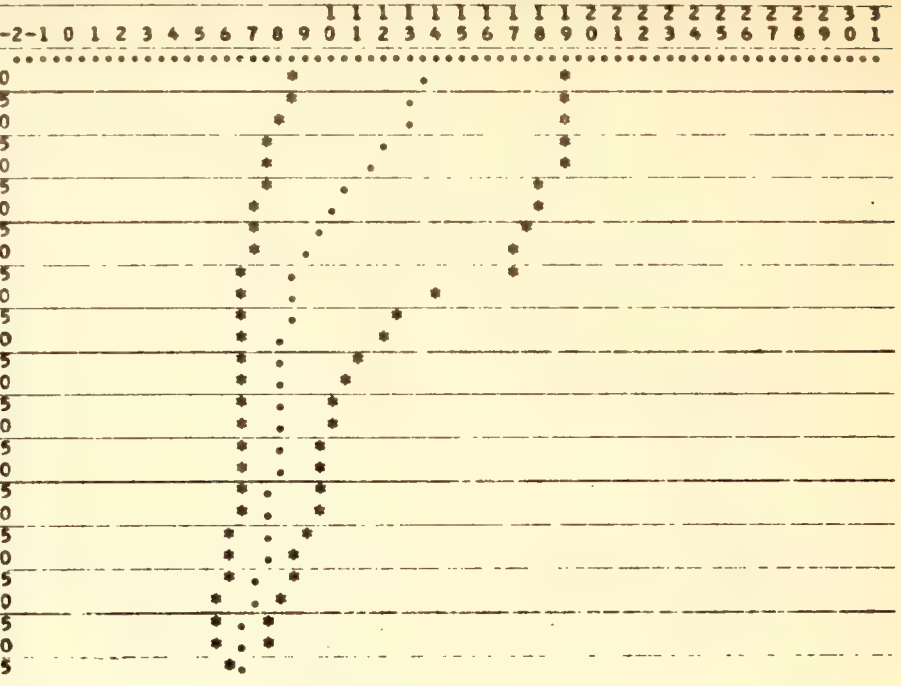
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 22 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	19.0	13.4	8.5	712	2.3	0.0	0.0	0.0	0
5	19.0	13.2	8.5	712	2.4	80.0	4.1	-16.0	5
10	19.0	12.8	7.9	712	2.4	106.0	8.3	-22.0	10
15	18.9	12.2	7.6	712	2.6	118.0	12.9	-24.0	15
20	18.8	11.4	7.4	707	2.6	96.0	14.9	-20.0	20
25	18.1	10.7	7.4	702	2.5	100.0	14.2	-16.0	25
30	18.0	10.0	7.2	698	2.2	72.0	13.8	-8.0	30
35	17.3	9.4	6.9	688	1.9	88.0	12.4	-10.0	35
40	17.2	9.0	6.9	646	1.6	68.0	10.3	-8.0	40
45	17.0	8.6	6.5	494	1.4	68.0	8.0	-6.0	45
50	13.9	8.5	6.5	357	1.2	64.0	6.0	-6.0	50
55	12.7	8.4	6.7	300	1.0	36.0	4.8	-4.0	55
60	11.8	8.2	6.6	282	0.9	20.0	3.7	-4.0	60
65	10.9	8.1	6.7	273	0.9	18.0	2.7	-4.0	65
70	10.4	8.0	6.7	273	0.8	18.0	2.2	-4.0	70
75	10.1	7.9	6.6	264	0.7	10.0	1.9	-8.0	75
80	9.8	7.9	6.6	252	0.7	10.0	1.5	-2.0	80
85	9.7	7.8	6.5	251	0.7	10.0	1.3	-10.0	85
90	9.7	7.8	6.4	249	0.6	12.0	1.1	-8.0	90
95	9.7	7.7	6.4	240	0.6	18.0	0.9	-6.0	95
100	9.7	7.7	6.3	240	0.6	6.0	1.1	-6.0	100
125	9.2	7.5	6.0	199	0.5	5.2	1.0	-1.6	125
150	8.7	7.3	6.0	126	0.4	4.0	0.9	-2.8	150
175	8.3	7.1	6.0	114	0.4	2.4	0.9	-1.2	175
200	8.0	6.9	5.7	100	0.4	2.4	1.0	0.0	200
225	7.6	6.7	5.5	83	0.4	2.0	1.0	0.0	225
250	7.5	6.5	5.4	68	0.3	2.0	1.0	0.0	250
275	6.7	6.3	5.9	22	0.2	2.4	1.0	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 22 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	18.1	12.1	8.5	658	1.9	0.0	0.0	0.0	0
5	18.1	12.1	8.5	658	1.9	34.0	1.2	-12.0	5
10	18.1	11.9	8.4	658	1.9	54.0	3.0	-10.0	10
15	18.1	11.7	8.3	658	1.9	86.0	5.0	-14.0	15
20	17.9	11.3	7.9	658	1.9	66.0	6.8	-8.0	20
25	17.7	10.9	7.3	657	1.8	88.0	7.8	-6.0	25
30	16.9	10.4	7.1	656	1.8	76.0	9.4	-8.0	30
35	16.9	10.0	6.9	651	1.7	76.0	9.2	-24.0	35
40	16.6	9.6	6.6	615	1.6	70.0	8.8	-8.0	40
45	16.3	9.2	6.8	514	1.5	58.0	9.1	-10.0	45
50	15.4	8.9	6.9	325	1.3	94.0	9.1	-4.0	50
55	14.5	8.6	6.7	274	1.1	50.0	7.1	-10.0	55
60	12.4	8.3	6.6	255	0.9	44.0	5.0	-6.0	60
65	11.6	8.1	6.4	247	0.8	32.0	3.3	-4.0	65
70	11.3	8.0	6.4	244	0.7	36.0	2.4	-4.0	70
75	10.9	7.9	6.2	243	0.7	16.0	1.8	-8.0	75
80	10.6	7.8	6.1	240	0.7	16.0	1.6	-8.0	80
85	10.3	7.8	6.0	240	0.7	10.0	1.2	-6.0	85
90	10.1	7.7	5.9	233	0.6	6.0	1.1	-4.0	90
95	10.0	7.6	5.9	226	0.6	10.0	1.0	-6.0	95
100	9.8	7.6	5.7	226	0.6	10.0	1.2	-4.0	100
125	9.1	7.4	5.5	199	0.6	4.4	0.9	-1.6	125
150	8.2	7.0	5.2	121	0.7	2.8	0.6	-0.4	150
175	8.2	6.9	5.0	95	0.7	2.0	0.8	-0.8	175
200	7.8	6.7	4.9	75	0.7	2.0	0.9	0.0	200
225	7.7	6.4	4.8	56	0.8	2.4	0.9	0.0	225
250	7.5	6.2	4.5	51	0.8	1.6	0.8	-0.4	250
275	7.1	6.7	6.3	13	0.2	1.6	0.8	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

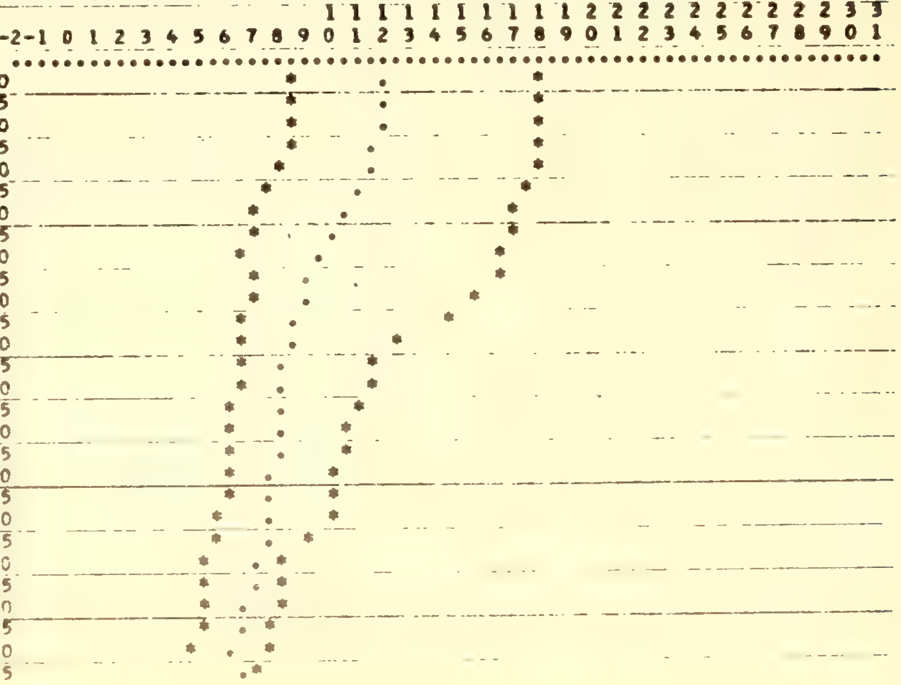


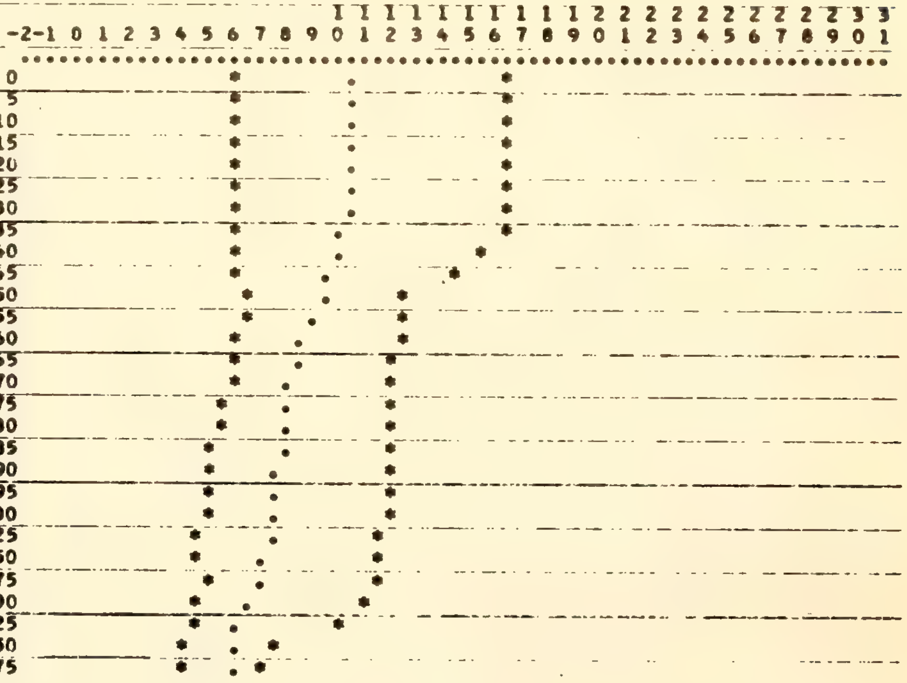
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 22 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	16.5	10.7	6.2	726	1.7	0.0	0.0	0.0	0
5	16.5	10.7	6.2	726	1.7	16.0	-0.1	-12.0	5
10	16.6	10.7	6.2	726	1.7	26.0	0.1	-14.0	10
15	16.6	10.7	6.1	726	1.7	26.0	0.3	-16.0	15
20	16.5	10.6	6.1	726	1.7	42.0	1.0	-20.0	20
25	16.5	10.5	6.1	724	1.7	48.0	1.8	-12.0	25
30	16.4	10.3	6.1	721	1.6	52.0	3.7	-18.0	30
35	16.3	10.0	6.2	718	1.5	72.0	5.5	-10.0	35
40	15.4	9.8	6.2	669	1.5	70.0	6.2	-6.0	40
45	14.3	9.6	6.2	553	1.4	60.0	6.8	-22.0	45
50	12.7	9.3	6.6	433	1.4	80.0	8.2	-10.0	50
55	12.5	8.9	6.4	377	1.3	70.0	8.2	-2.0	55
60	12.3	8.6	6.2	343	1.2	40.0	6.3	-10.0	60
65	12.2	8.3	6.1	329	1.2	32.0	4.6	-4.0	65
70	12.1	8.1	5.8	326	1.2	54.0	3.9	-4.0	70
75	12.1	7.9	5.7	323	1.1	26.0	2.8	-4.0	75
80	12.0	7.8	5.4	322	1.2	18.0	2.1	-4.0	80
85	12.0	7.8	5.2	319	1.2	26.0	1.7	-8.0	85
90	12.0	7.7	5.0	316	1.2	22.0	1.5	-6.0	90
95	11.9	7.6	4.9	304	1.2	10.0	1.1	-8.0	95
100	11.8	7.5	4.8	304	1.2	40.0	1.2	-8.0	100
125	11.7	7.3	4.5	286	1.2	8.8	1.0	-1.2	125
150	11.5	7.0	4.7	168	1.5	2.4	0.4	-2.0	150
175	11.3	6.9	4.9	165	1.5	1.6	0.6	-1.6	175
200	11.1	6.7	4.6	148	1.4	2.8	0.8	0.0	200
225	10.2	6.1	4.4	119	0.9	1.6	0.7	0.0	225
250	7.7	5.9	4.1	108	0.8	2.0	0.8	-0.4	250
275	6.9	6.2	4.1	32	0.5	1.6	0.6	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 22 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	12.3	9.6	5.2	643	1.2	0.0	0.0	0.0	0
5	12.3	9.6	5.3	643	1.2	8.0	-0.8	-32.0	5
10	12.5	9.7	5.3	643	1.2	16.0	-1.2	-30.0	10
15	12.8	9.7	5.4	643	1.2	30.0	-0.8	-22.0	15
20	12.7	9.8	5.4	643	1.2	20.0	-0.6	-22.0	20
25	12.7	9.8	5.5	642	1.3	22.0	-0.4	-18.0	25
30	12.7	9.8	5.5	640	1.3	18.0	0.0	-14.0	30
35	12.7	9.8	5.6	637	1.3	22.0	0.6	-12.0	35
40	12.7	9.8	5.6	610	1.3	40.0	0.7	-16.0	40
45	12.7	9.9	6.6	502	1.2	28.0	1.1	-12.0	45
50	12.7	10.2	6.8	319	1.1	26.0	1.8	-10.0	50
55	12.8	10.3	6.7	260	1.1	50.0	3.2	-10.0	55
60	12.8	10.1	6.6	241	1.2	50.0	4.8	-8.0	60
65	12.7	9.8	6.5	229	1.2	38.0	5.4	-6.0	65
70	12.6	9.5	6.5	228	1.2	30.0	5.3	-6.0	70
75	12.6	9.2	6.5	223	1.1	30.0	5.2	-4.0	75
80	12.4	9.0	6.4	219	1.0	28.0	4.8	-2.0	80
85	11.8	8.8	6.3	219	1.0	24.0	4.1	-4.0	85
90	11.8	8.6	6.2	212	0.8	24.0	3.4	-2.0	90
95	11.8	8.4	6.1	206	0.8	26.0	2.3	-4.0	95
100	11.8	8.3	6.1	206	0.7	14.0	2.1	-4.0	100
125	1?.4	7.9	6.2	184	0.5	6.0	1.4	-4.0	125
150	9.2	7.6	6.4	133	0.3	2.8	0.7	-4.8	150
175	8.6	7.4	6.2	120	0.3	4.0	0.8	-0.8	175
200	8.4	7.2	6.0	94	0.3	2.0	0.8	0.0	200
225	8.0	7.0	6.3	58	0.3	2.0	0.9	0.0	225
250	7.9	6.8	6.C	53	0.3	2.0	0.9	0.0	250
275	7.6	6.5	5.9	19	0.4	1.2	0.9	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

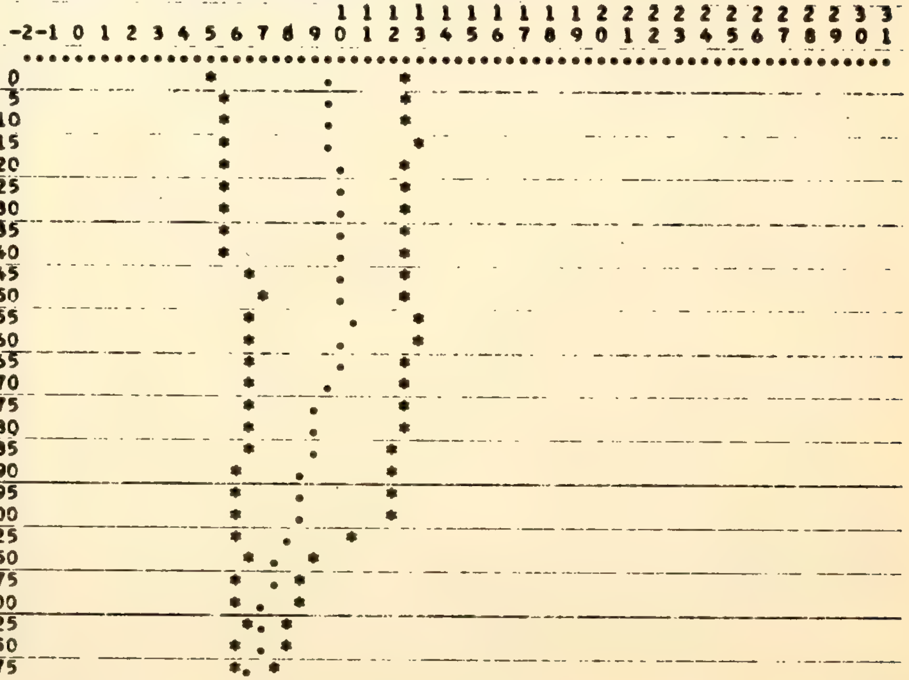
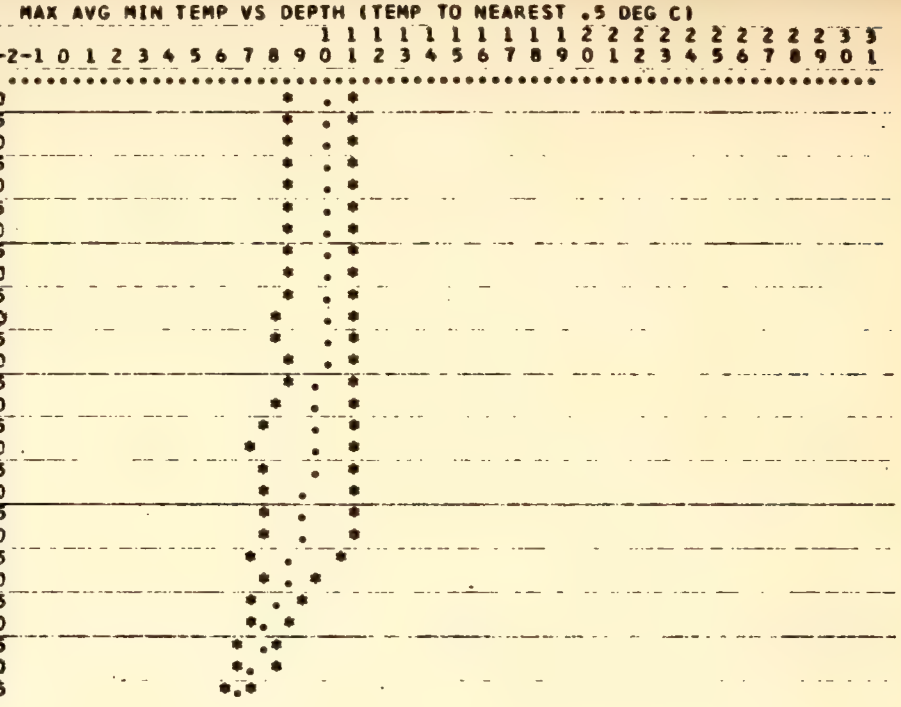


Table VI-1.—Continued

AREA 23 MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	11.2	9.8	8.4	157	0.6	0.0	0.0	0.0	0
5	11.1	9.8	8.4	157	0.6	4.0	-0.1	-12.0	5
10	11.1	9.8	8.5	157	0.5	4.0	-0.2	-16.0	10
15	11.1	9.8	8.4	157	0.5	2.0	-0.1	-6.0	15
20	11.1	9.8	8.4	157	0.5	2.0	-0.2	-4.0	20
25	11.1	9.8	8.4	157	0.5	2.0	-0.3	-12.0	25
30	11.1	9.9	8.3	157	0.5	4.0	-0.3	-6.0	30
35	11.1	9.9	8.3	156	0.5	4.0	-0.2	-12.0	35
40	11.1	9.9	8.3	155	0.6	6.0	-0.0	-4.0	40
45	11.1	9.9	8.3	155	0.6	8.0	0.2	-2.0	45
50	11.0	9.8	8.2	148	0.6	6.0	0.3	-4.0	50
55	11.0	9.8	8.2	144	0.6	10.0	0.4	-10.0	55
60	11.0	9.8	8.3	139	0.6	10.0	0.6	-4.0	60
65	11.0	9.7	8.3	138	0.6	26.0	1.1	-4.0	65
70	11.0	9.7	8.0	138	0.7	18.0	1.7	-10.0	70
75	10.9	9.5	7.3	136	0.7	20.0	2.4	-8.0	75
80	10.9	9.4	7.2	131	0.7	30.0	2.3	-6.0	80
85	10.9	9.3	7.3	128	0.7	20.0	2.2	-8.0	85
90	10.9	9.2	7.3	124	0.6	18.0	2.3	-6.0	90
95	10.9	9.1	7.3	117	0.7	16.0	2.0	-6.0	95
100	10.9	9.1	7.3	117	0.6	20.0	1.6	-4.0	100
125	10.4	8.6	7.0	110	0.5	5.6	1.7	-2.0	125
150	9.6	8.3	7.5	96	0.4	4.0	1.2	0.0	150
175	8.9	8.0	7.2	92	0.4	2.8	1.3	0.0	175
200	8.4	7.7	6.9	91	0.3	4.4	1.3	0.4	200
225	8.0	7.3	6.7	51	0.3	3.2	1.3	-0.8	225
250	7.9	7.0	6.5	38	0.3	3.2	1.2	0.0	250
275	7.2	6.7	6.2	18	0.2	2.4	1.3	0.8	275


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 23 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	13.2	9.8	8.2	171	0.7	0.0	0.0	0.0	0
5	13.2	9.8	8.2	171	0.7	10.0	0.4	-4.0	5
10	13.2	9.8	8.2	171	0.7	6.0	-0.0	-10.0	10
15	13.2	9.8	8.2	171	0.7	2.0	-0.2	-8.0	15
20	13.2	9.8	8.2	171	0.7	4.0	-0.1	-8.0	20
25	13.0	9.8	8.2	171	0.7	4.0	0.0	-10.0	25
30	13.0	9.8	8.2	171	0.7	4.0	0.1	-6.0	30
35	13.0	9.8	8.2	169	0.6	6.0	0.1	-4.0	35
40	13.0	9.7	8.2	167	0.6	6.0	0.2	-4.0	40
45	13.0	9.7	8.2	167	0.6	10.0	0.3	-6.0	45
50	12.9	9.7	8.2	166	0.6	10.0	0.3	-6.0	50
55	12.8	9.7	8.2	161	0.6	6.0	0.4	-4.0	55
60	12.8	9.7	8.2	158	0.6	6.0	0.3	-4.0	60
65	12.7	9.7	8.2	154	0.6	16.0	0.5	-10.0	65
70	12.7	9.6	8.2	152	0.6	12.0	0.8	-10.0	70
75	12.6	9.6	7.8	152	0.6	20.0	0.8	-8.0	75
80	12.5	9.5	7.5	149	0.6	12.0	1.3	-6.0	80
85	12.5	9.5	7.6	147	0.6	12.0	1.2	-6.0	85
90	12.4	9.4	8.0	140	0.6	16.0	1.7	-14.0	90
95	12.3	9.3	8.1	138	0.6	14.0	2.4	-2.0	95
100	12.2	9.2	8.0	138	0.6	12.0	2.1	-6.0	100
125	10.8	8.8	7.7	133	0.5	8.8	1.6	-2.0	125
150	10.0	8.4	7.6	120	0.4	4.4	1.2	-2.0	150
175	9.8	8.2	7.4	117	0.5	2.8	1.0	-1.2	175
200	9.6	7.9	7.1	116	0.4	3.6	1.1	-0.4	200
225	9.5	7.6	6.7	73	0.5	3.2	1.3	0.0	225
250	8.7	7.3	6.4	39	0.4	2.4	1.3	0.4	250
275	7.5	7.1	6.9	3	0.3	1.6	0.9	0.4	275

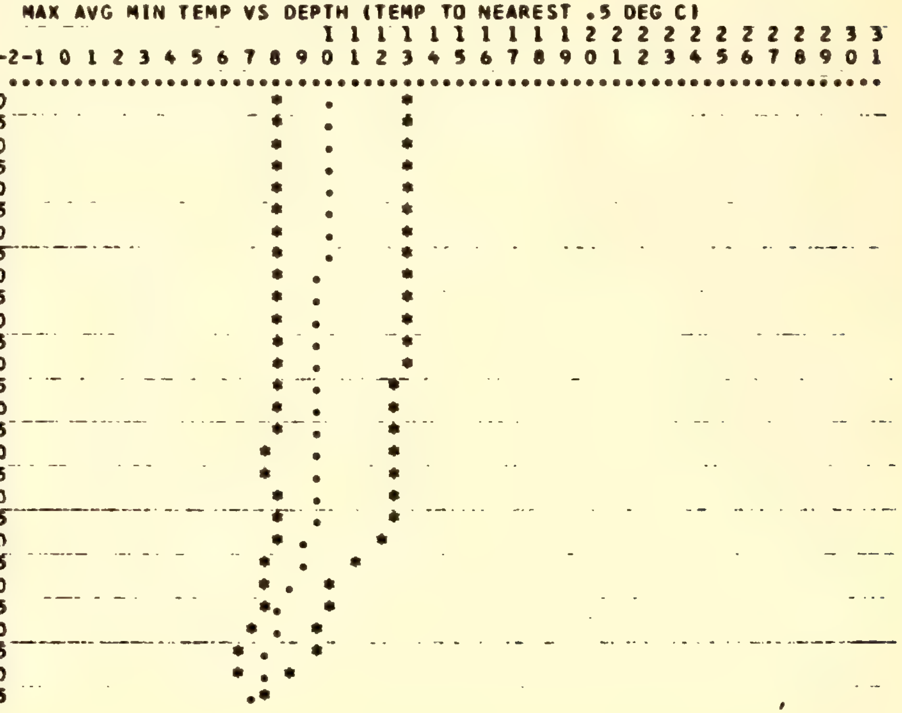
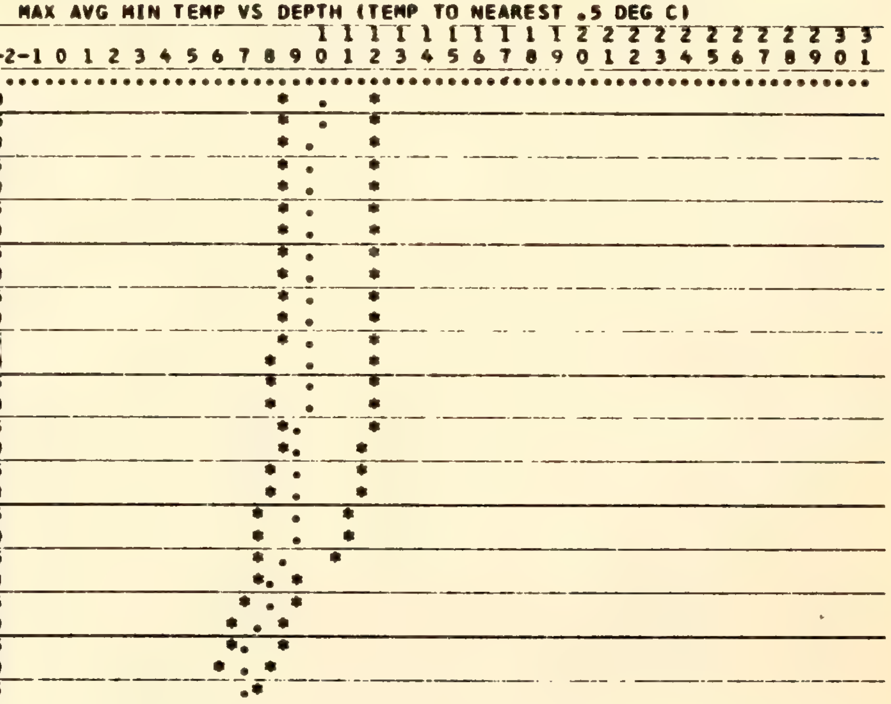

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 23 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	12.2	9.8	8.6	159	0.5	0.0	0.0	0.0	0
5	12.2	9.8	8.6	159	0.5	8.0	0.4	-2.0	5
10	12.2	9.7	8.6	159	0.5	12.0	0.5	-2.0	10
15	12.2	9.7	8.6	159	0.5	10.0	0.4	-2.0	15
20	12.2	9.7	8.6	159	0.5	4.0	0.3	-4.0	20
25	12.2	9.7	8.6	159	0.5	4.0	0.4	-4.0	25
30	12.2	9.6	8.5	158	0.5	6.0	0.6	-2.0	30
35	12.2	9.6	8.4	158	0.5	12.0	0.7	-2.0	35
40	12.2	9.6	8.4	158	0.5	6.0	0.7	-2.0	40
45	12.2	9.5	8.4	157	0.5	10.0	0.8	-2.0	45
50	12.2	9.5	8.3	154	0.5	8.0	1.0	-2.0	50
55	12.2	9.4	8.3	151	0.5	10.0	1.2	-2.0	55
60	12.2	9.4	8.2	150	0.6	8.0	0.9	-2.0	60
65	12.2	9.3	8.2	148	0.6	6.0	0.9	-2.0	65
70	12.1	9.3	8.2	147	0.6	8.0	0.8	-4.0	70
75	11.9	9.2	8.4	144	0.5	10.0	1.0	-6.0	75
80	11.7	9.1	8.3	138	0.5	10.0	1.5	-4.0	80
85	11.5	9.0	7.9	136	0.5	12.0	1.8	-6.0	85
90	11.4	9.0	7.8	135	0.5	16.0	1.7	-12.0	90
95	11.2	8.9	7.7	131	0.5	10.0	1.5	-10.0	95
100	11.0	8.8	7.6	131	0.5	8.0	1.8	-10.0	100
125	10.7	8.5	7.3	119	0.6	4.0	1.5	-1.6	125
150	9.2	8.1	7.3	102	0.3	3.2	0.8	-1.2	150
175	8.9	7.9	7.0	99	0.3	4.0	1.1	-0.8	175
200	8.6	7.6	6.7	89	0.3	2.4	1.1	0.0	200
225	8.3	7.2	6.5	65	0.3	2.8	1.1	0.0	225
250	7.9	7.0	6.2	52	0.3	1.6	0.9	-0.4	250
275	7.3	7.2	7.2	2	0.0	1.2	1.0	0.8	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 23 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	15.7	9.9	7.6	223	1.0	0.0	0.0	0.0	0
5	15.7	9.8	7.6	223	1.0	14.0	1.3	-4.0	5
10	15.7	9.8	7.5	223	0.9	30.0	1.5	-2.0	10
15	15.7	9.7	7.4	223	0.9	20.0	1.9	-2.0	15
20	15.7	9.6	7.1	223	0.9	16.0	2.0	-6.0	20
25	15.7	9.5	7.0	223	0.9	14.0	1.6	-2.0	25
30	15.6	9.4	7.0	222	0.9	16.0	1.9	-6.0	30
35	15.1	9.3	7.0	221	0.9	16.0	1.5	-2.0	35
40	14.8	9.3	7.0	219	0.9	14.0	1.6	-2.0	40
45	14.5	9.2	7.1	216	0.9	10.0	1.5	-2.0	45
50	14.4	9.1	7.1	214	0.8	22.0	1.4	-2.0	50
55	14.3	9.0	7.1	210	0.8	16.0	1.5	-4.0	55
60	14.0	9.0	7.0	208	0.8	12.0	1.2	-4.0	60
65	13.9	8.9	7.0	208	0.8	10.0	1.1	-4.0	65
70	13.8	8.9	7.0	204	0.8	12.0	1.2	-8.0	70
75	13.7	8.8	7.0	202	0.8	8.0	1.3	-2.0	75
80	13.6	8.8	6.9	200	0.8	8.0	1.1	-4.0	80
85	13.5	8.7	6.9	192	0.8	12.0	1.5	-6.0	85
90	13.3	8.6	6.9	189	0.8	12.0	1.4	-6.0	90
95	13.3	8.6	6.9	178	0.7	22.0	1.6	-2.0	95
100	13.2	8.5	6.9	178	0.7	12.0	1.5	-6.0	100
125	12.9	8.3	5.6	145	0.7	8.4	1.2	-1.2	125
150	13.1	8.1	5.2	125	0.7	7.2	1.1	-0.8	150
175	12.9	7.8	7.1	120	0.7	2.4	1.0	0.0	175
200	12.6	7.6	6.6	107	0.8	2.4	1.0	0.0	200
225	12.5	7.4	6.0	67	0.9	2.4	1.3	0.4	225
250	12.3	7.1	5.8	39	1.2	2.4	1.3	0.4	250
275	12.0	8.3	6.5	4	2.5	1.2	1.1	0.8	275

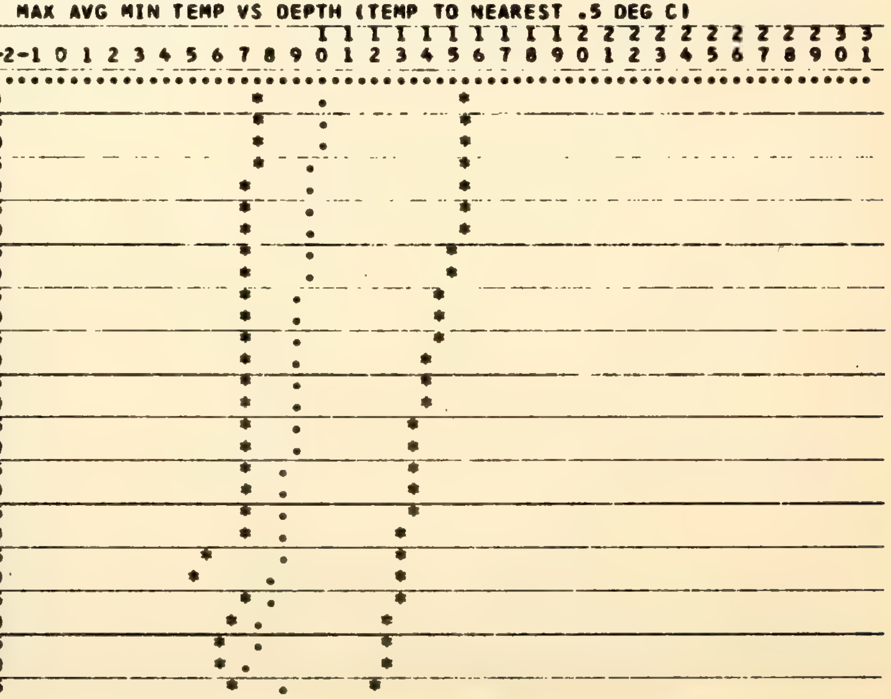
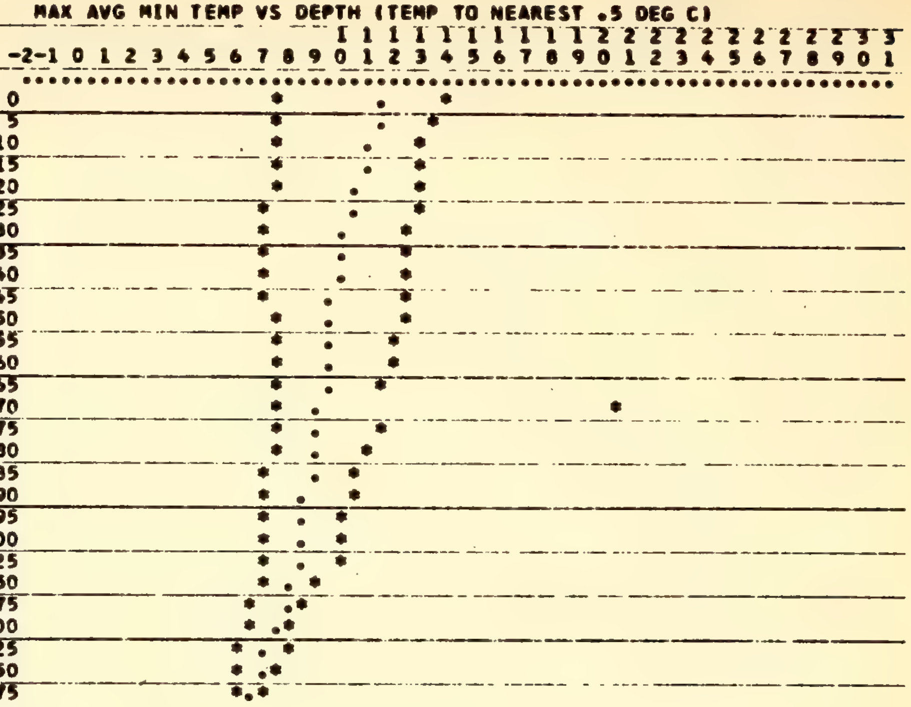


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 23 MONTH 5

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	14.0	11.4	7.5	345	1.0	0.0	0.0	0.0	0
5	13.3	11.3	7.3	345	1.0	36.0	3.0	-4.0	5
10	13.2	11.0	7.3	345	1.0	34.0	4.8	-4.0	10
15	13.1	10.8	7.3	345	1.0	34.0	5.0	-2.0	15
20	13.1	10.5	7.3	345	1.1	44.0	5.0	-2.0	20
25	12.8	10.3	7.2	342	1.1	52.0	4.6	-2.0	25
30	12.7	10.1	6.9	339	1.1	38.0	4.0	-4.0	30
35	12.6	10.0	6.8	331	1.0	24.0	3.4	-6.0	35
40	12.6	9.9	7.2	319	1.0	46.0	3.3	-2.0	40
45	12.5	9.7	7.0	310	0.9	22.0	3.3	-2.0	45
50	12.3	9.6	7.7	301	0.9	42.0	2.9	-4.0	50
55	12.1	9.5	7.7	294	0.9	18.0	2.8	-2.0	55
60	11.8	9.4	7.5	293	0.9	12.0	2.7	-2.0	60
65	11.7	9.3	7.4	289	0.9	16.0	2.5	-6.0	65
70	20.7	9.2	7.3	289	1.0	14.0	1.8	-206.0	70
75	11.3	9.0	7.4	286	0.8	222.0	3.1	-2.0	75
80	11.1	8.9	7.3	277	0.7	14.0	2.6	-2.0	80
85	10.7	8.8	7.2	274	0.6	12.0	2.5	-4.0	85
90	10.5	8.7	7.2	270	0.6	10.0	2.1	-4.0	90
95	10.2	8.6	7.2	267	0.5	12.0	1.9	-8.0	95
100	10.0	8.6	7.2	267	0.5	10.0	1.5	-10.0	100
125	9.9	8.3	6.9	242	0.5	4.8	1.5	-2.4	125
150	8.9	8.1	7.0	163	0.4	2.8	1.3	-1.2	150
175	8.6	7.8	6.7	152	0.3	3.2	1.4	0.4	175
200	8.2	7.4	6.3	140	0.4	3.2	1.4	0.4	200
225	8.0	7.1	5.8	114	0.4	2.8	1.3	0.4	225
250	7.5	6.8	6.0	79	0.3	2.8	1.3	0.4	250
275	7.2	6.6	6.0	22	0.3	2.4	1.3	0.4	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 23 MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	16.9	13.3	6.6	367	1.8	0.0	0.0	0.0	0
5	16.7	12.8	6.6	367	1.8	80.0	10.3	-4.0	5
10	16.2	11.9	6.7	367	1.9	76.0	18.0	-2.0	10
15	15.6	11.1	6.7	367	1.8	60.0	16.7	-4.0	15
20	15.2	10.4	6.7	367	1.7	48.0	12.8	-2.0	20
25	15.0	10.0	6.7	367	1.6	58.0	9.3	-4.0	25
30	14.3	9.6	6.7	365	1.4	50.0	8.1	-6.0	30
35	14.1	9.3	7.1	360	1.3	48.0	6.2	-6.0	35
40	13.8	9.0	6.9	358	1.2	26.0	5.0	-6.0	40
45	13.8	8.8	7.0	355	1.1	24.0	4.1	-4.0	45
50	13.6	8.7	6.9	350	1.1	28.0	3.1	-4.0	50
55	13.6	8.6	6.8	341	1.0	24.0	3.0	-4.0	55
60	12.8	8.4	6.8	335	0.9	20.0	2.7	-6.0	60
65	12.8	8.3	6.8	328	0.8	32.0	2.6	-2.0	65
70	12.7	8.2	6.6	322	0.8	20.0	2.4	-2.0	70
75	11.9	8.1	6.8	316	0.7	30.0	2.1	-4.0	75
80	11.5	8.1	6.5	312	0.7	12.0	1.6	-4.0	80
85	11.4	8.0	6.5	298	0.7	10.0	1.5	-6.0	85
90	11.2	8.0	6.5	286	0.7	14.0	1.3	-12.0	90
95	10.8	8.0	6.5	260	0.6	10.0	1.2	-10.0	95
100	10.7	8.0	6.5	260	0.6	12.0	0.9	-12.0	100
125	9.6	7.8	6.4	220	0.5	6.4	1.1	-0.4	125
150	9.1	7.6	6.2	139	0.4	4.4	1.1	-0.8	150
175	8.5	7.4	6.0	131	0.4	2.8	1.3	0.0	175
200	17.4	7.2	5.7	116	1.0	2.8	0.9	-38.8	200
225	8.2	6.8	6.0	83	0.4	40.8	1.7	0.4	225
250	8.2	6.5	5.7	58	0.4	2.0	1.1	0.0	250
275	7.4	6.3	5.7	21	0.3	3.2	1.1	0.4	275

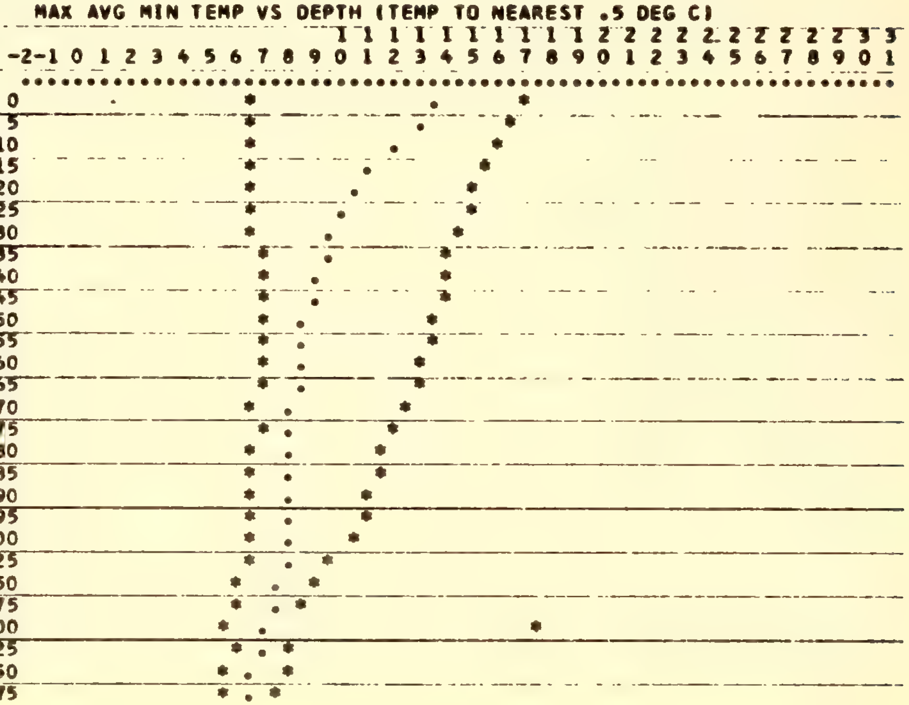


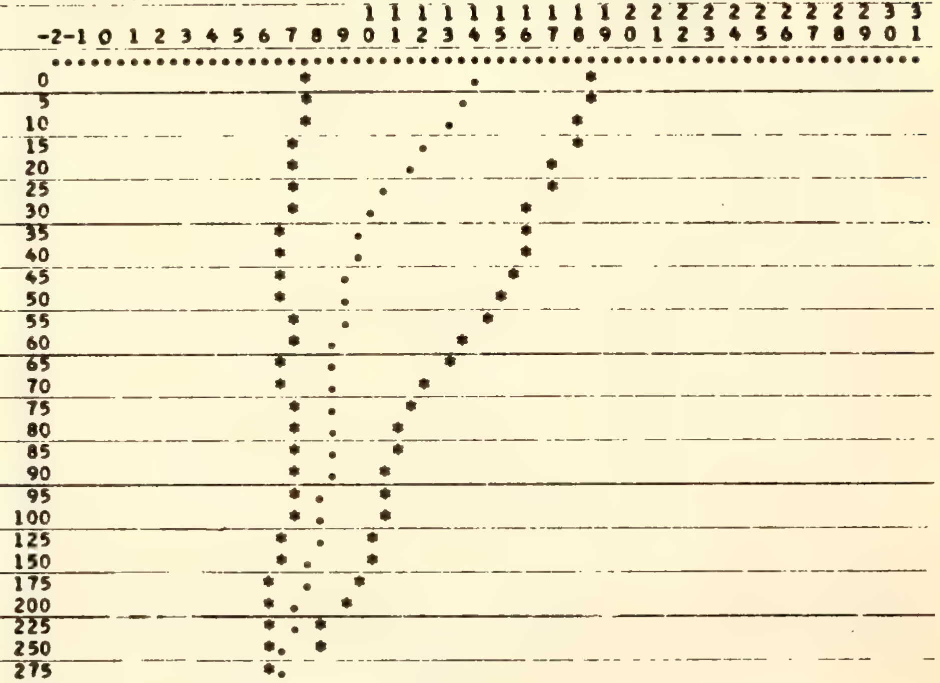
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 23 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	18.7	14.0	7.4	547	2.8	0.0	0.0	0.0
5	18.5	13.6	7.5	547	2.8	78.0	6.2	-2.0
10	18.1	13.0	7.3	547	2.9	94.0	13.2	-6.0
15	17.9	12.2	7.2	547	2.9	104.0	16.8	-12.0
20	17.0	11.3	7.1	547	2.7	110.0	17.4	-4.0
25	16.9	10.6	6.9	542	2.4	80.0	14.4	-2.0
30	16.2	10.0	6.9	539	2.1	76.0	12.6	-18.0
35	16.2	9.6	6.7	535	1.9	50.0	8.5	-10.0
40	16.0	9.3	6.6	526	1.7	36.0	6.5	-10.0
45	15.7	9.0	6.6	519	1.6	36.0	5.0	-12.0
50	15.1	8.9	6.6	502	1.4	46.0	4.0	-12.0
55	14.6	8.8	6.8	489	1.2	32.0	3.5	-8.0
60	13.6	8.7	6.8	479	1.1	40.0	2.8	-6.0
65	12.8	8.6	6.7	454	1.0	30.0	2.3	-8.0
70	12.1	8.5	6.7	441	0.9	14.0	2.0	-8.0
75	11.6	8.5	6.9	433	0.8	16.0	1.9	-8.0
80	11.2	8.4	6.9	427	0.8	16.0	1.8	-4.0
85	10.8	8.3	6.9	422	0.7	14.0	1.8	-6.0
90	10.6	8.3	6.8	414	0.7	10.0	1.5	-8.0
95	10.6	8.2	6.8	403	0.6	12.0	1.4	-6.0
100	10.4	8.1	6.8	403	0.6	10.0	1.4	-4.0
125	10.1	7.9	6.6	364	0.5	4.8	1.3	-2.4
150	9.8	7.6	6.3	295	0.4	3.2	1.1	-1.2
175	9.4	7.4	6.1	275	0.4	2.4	1.1	-0.4
200	9.1	7.1	6.0	249	0.4	2.4	1.2	0.0
225	8.2	6.9	6.0	173	0.4	2.8	1.2	0.0
250	7.9	6.7	5.9	107	0.5	2.8	1.0	-2.4
275	6.5	6.3	5.8	7	0.2	1.2	0.7	0.4

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

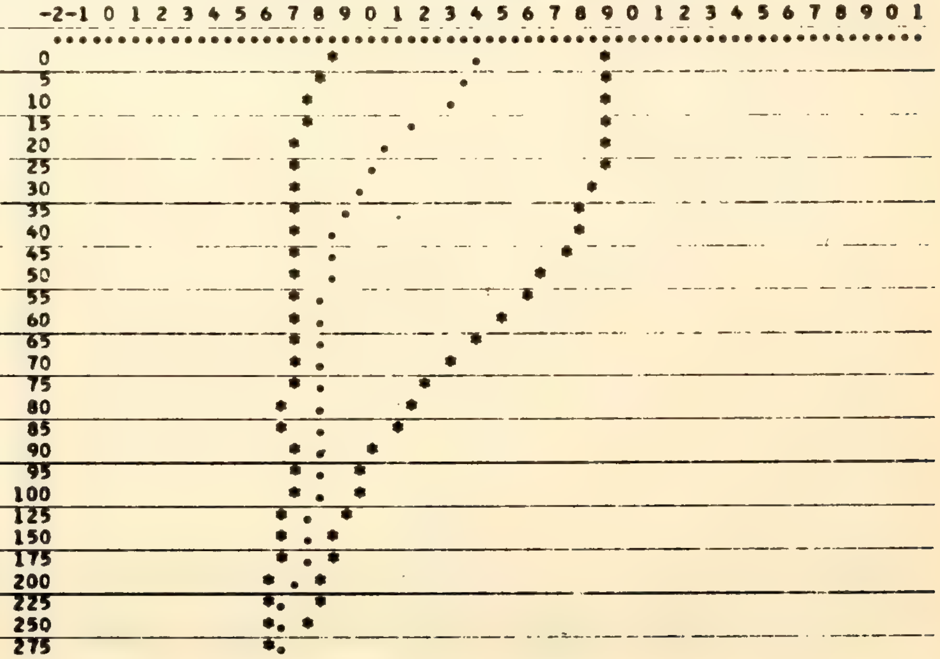


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 23 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	18.8	14.1	8.4	416	2.2	0.0	0.0	0.0
5	18.8	13.7	8.1	416	2.4	94.0	7.8	-2.0
10	18.8	12.8	7.5	416	2.7	90.0	17.5	-2.0
15	18.8	11.7	7.3	416	2.9	78.0	21.7	-10.0
20	18.8	10.7	7.2	416	2.7	76.0	20.3	-16.0
25	18.8	10.0	7.1	416	2.4	68.0	14.6	-10.0
30	18.6	9.5	7.1	413	2.1	56.0	11.1	-10.0
35	18.2	9.0	7.0	411	1.8	60.0	8.8	-26.0
40	17.8	8.7	6.9	407	1.6	40.0	6.2	-8.0
45	17.3	8.5	7.0	406	1.4	30.0	4.9	-4.0
50	16.7	8.3	7.0	399	1.2	30.0	3.6	-10.0
55	16.0	8.2	7.0	381	1.1	24.0	2.8	-8.0
60	15.0	8.1	7.0	369	1.0	28.0	2.2	-6.0
65	13.8	8.0	6.9	366	0.9	30.0	1.9	-6.0
70	13.2	8.0	6.9	362	0.7	42.0	1.3	-8.0
75	12.2	7.9	6.8	353	0.6	36.0	1.3	-6.0
80	11.7	7.9	6.6	346	0.5	16.0	0.9	-6.0
85	11.0	7.9	6.7	340	0.5	18.0	0.7	-6.0
90	10.0	7.9	6.9	331	0.4	20.0	0.7	-10.0
95	9.6	7.9	7.0	315	0.4	18.0	0.9	-4.0
100	9.5	7.8	6.9	315	0.4	12.0	0.8	-10.0
125	8.9	7.7	6.6	273	0.4	4.0	0.8	-1.6
150	8.6	7.5	6.3	185	0.3	3.2	1.1	-0.8
175	8.3	7.3	6.4	179	0.3	3.6	1.1	0.0
200	7.9	7.0	6.2	166	0.2	2.4	1.3	0.0
225	7.9	6.7	6.0	100	0.3	2.4	1.2	-0.4
250	7.7	6.5	5.8	52	0.4	3.2	1.0	0.0
275	6.7	6.3	6.0	14	0.2	2.0	1.1	0.4

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

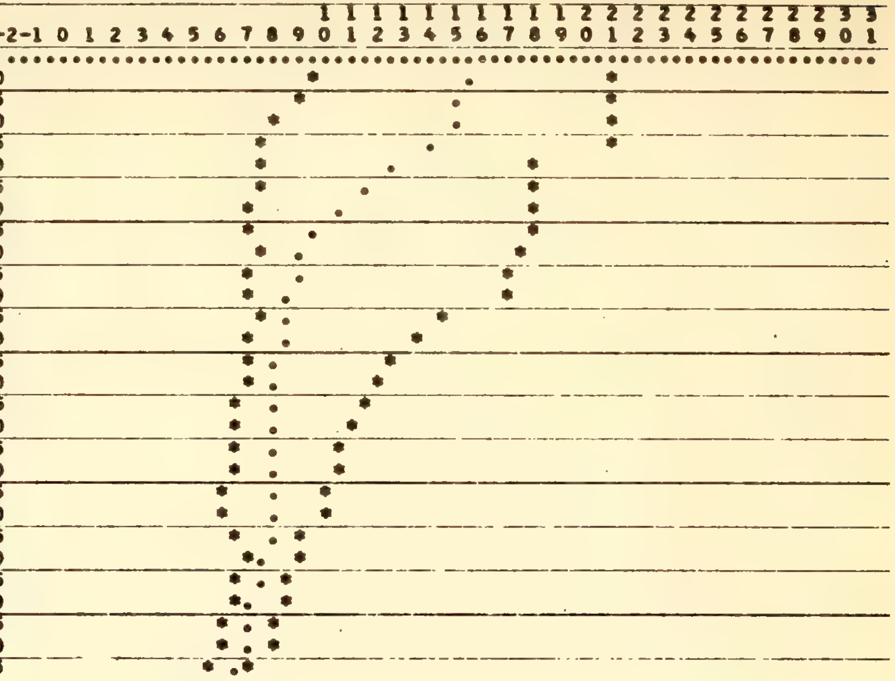


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 23   MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	20.8	15.4	9.3	234	1.8	0.0	0.0	0.0	0
5	20.8	15.2	9.0	234	1.8	70.0	3.4	-4.0	5
10	20.9	14.8	8.2	234	2.1	80.0	8.6	-6.0	10
15	21.1	14.0	7.7	234	2.4	74.0	15.8	-4.0	15
20	18.1	12.7	7.5	233	2.5	100.0	24.6	-4.0	20
25	18.1	11.6	7.3	232	2.5	86.0	24.2	-2.0	25
30	18.1	10.5	7.2	229	2.1	100.0	20.7	-8.0	30
35	17.9	9.7	7.2	226	1.7	66.0	15.1	-4.0	35
40	17.4	9.2	7.3	222	1.5	46.0	9.9	-4.0	40
45	17.0	8.9	7.2	219	1.3	44.0	6.4	-12.0	45
50	16.8	8.7	7.1	217	1.1	58.0	4.8	-8.0	50
55	14.4	8.5	7.3	214	1.0	48.0	3.9	-10.0	55
60	13.5	8.4	7.1	212	0.8	24.0	3.0	-10.0	60
65	12.4	8.2	7.0	212	0.8	22.0	2.5	-10.0	65
70	12.1	8.2	6.9	211	0.7	20.0	1.9	-8.0	70
75	11.6	8.1	6.7	210	0.6	14.0	1.4	-4.0	75
80	11.0	8.0	6.6	204	0.6	12.0	0.9	-6.0	80
85	10.6	8.0	6.5	202	0.5	14.0	0.5	-6.0	85
90	10.4	8.0	6.3	197	0.5	12.0	0.2	-6.0	90
95	10.2	8.0	6.2	195	0.4	10.0	0.4	-6.0	95
100	10.0	8.0	6.2	195	0.4	6.0	0.6	-4.0	100
125	9.2	7.8	6.6	173	0.3	3.2	0.9	-0.8	125
150	9.9	7.7	6.8	95	0.4	2.8	0.9	0.0	150
175	8.5	7.4	6.6	92	0.3	2.0	1.0	0.0	175
200	8.3	7.2	6.4	86	0.4	2.8	1.0	0.0	200
225	8.2	7.0	6.1	56	0.4	2.0	0.9	0.0	225
250	7.8	6.8	6.0	42	0.4	2.0	0.9	0.0	250
275	7.1	6.6	5.6	17	0.4	2.0	1.2	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 23   MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	17.9	13.8	9.9	190	1.6	0.0	0.0	0.0	0
5	17.9	13.7	9.7	190	1.6	8.0	0.5	-6.0	5
10	17.9	13.7	9.7	190	1.6	24.0	1.2	-4.0	10
15	18.0	13.6	9.2	190	1.7	32.0	2.3	-4.0	15
20	17.9	13.3	8.7	190	1.8	52.0	5.3	-4.0	20
25	17.3	12.9	8.0	190	1.8	60.0	8.0	-2.0	25
30	16.4	12.4	7.8	190	1.9	50.0	10.2	-2.0	30
35	16.4	11.7	7.8	190	1.9	52.0	13.0	-2.0	35
40	16.4	11.1	7.7	189	1.8	64.0	13.9	-6.0	40
45	16.1	10.4	7.7	185	1.6	60.0	14.2	-10.0	45
50	15.1	9.8	7.9	184	1.3	70.0	11.6	-6.0	50
55	14.6	9.4	7.7	180	1.2	44.0	7.8	-8.0	55
60	12.6	9.1	7.5	178	1.1	30.0	5.3	-10.0	60
65	12.2	9.0	7.5	177	1.0	24.0	3.5	-14.0	65
70	11.7	8.8	7.3	173	0.9	24.0	3.0	-6.0	70
75	11.6	8.7	7.4	170	0.8	14.0	2.5	-10.0	75
80	11.5	8.6	7.4	167	0.7	34.0	2.1	-10.0	80
85	11.1	8.5	7.3	165	0.6	18.0	1.8	-12.0	85
90	10.8	8.4	7.3	161	0.5	18.0	1.1	-22.0	90
95	10.7	8.3	7.3	151	0.5	10.0	1.2	-6.0	95
100	10.7	8.3	7.2	151	0.4	6.0	0.9	-6.0	100
125	10.2	8.0	7.1	139	0.4	3.6	1.0	-2.4	125
150	8.6	7.7	6.9	105	0.3	2.8	1.0	-0.4	150
175	8.4	7.5	6.6	101	0.4	2.0	0.9	0.0	175
200	8.2	7.2	6.4	84	0.4	2.4	0.9	-0.4	200
225	7.9	6.8	6.2	58	0.4	2.0	1.0	0.0	225
250	7.7	6.7	6.1	32	0.4	2.4	1.0	0.0	250
275	6.5	6.2	5.9	10	0.1	2.0	1.0	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

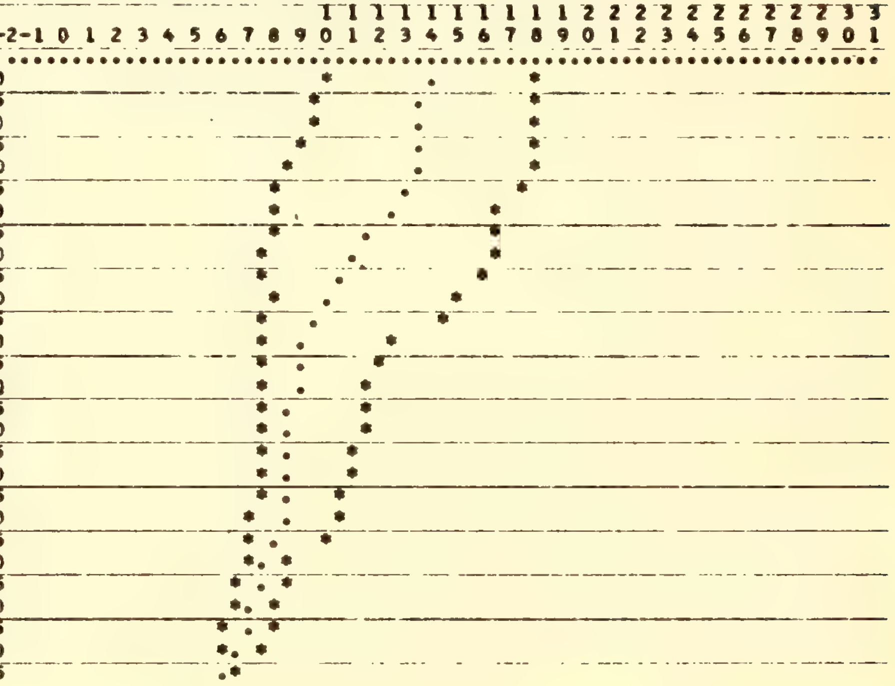


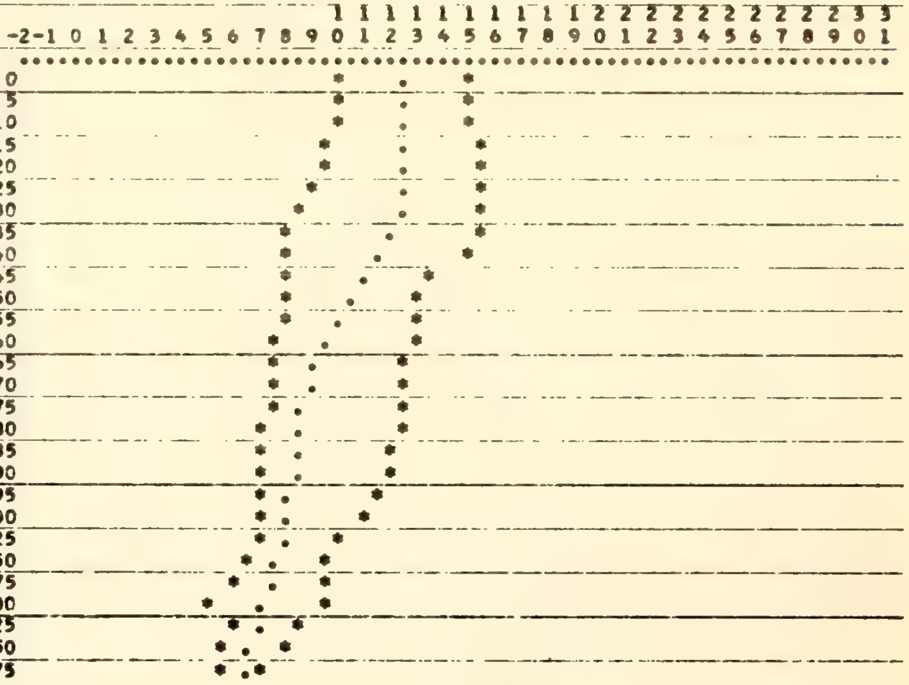
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 23 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	15.2	12.6	10.1	250	0.8	0.0	0.0	0.0	0
5	15.2	12.6	10.1	250	0.8	12.0	0.2	-2.0	5
10	15.2	12.6	10.0	250	0.8	6.0	0.2	-14.0	10
15	15.4	12.6	9.7	250	0.8	10.0	0.3	-4.0	15
20	15.4	12.5	9.7	250	0.8	10.0	0.6	-2.0	20
25	15.5	12.5	9.2	250	0.8	22.0	1.0	-2.0	25
30	15.5	12.4	8.4	250	0.9	36.0	2.5	-2.0	30
35	15.5	12.1	8.1	249	1.1	60.0	4.7	-2.0	35
40	15.0	11.7	8.1	248	1.3	64.0	7.8	-2.0	40
45	13.5	11.2	7.9	247	1.4	54.0	10.9	-4.0	45
50	13.2	10.5	7.9	246	1.4	62.0	14.3	-2.0	50
55	13.2	9.9	7.9	244	1.2	60.0	12.5	-10.0	55
60	13.0	9.4	7.7	240	1.1	46.0	9.3	-6.0	60
65	12.7	9.0	7.7	234	0.9	54.0	7.1	-8.0	65
70	12.6	8.8	7.6	231	0.8	38.0	4.4	-16.0	70
75	12.5	8.6	7.4	231	0.7	34.0	3.4	-8.0	75
80	12.3	8.5	7.1	230	0.6	16.0	2.5	-8.0	80
85	12.1	8.3	7.0	222	0.5	14.0	1.7	-6.0	85
90	11.9	8.3	6.9	219	0.5	8.0	1.2	-18.0	90
95	11.3	8.2	7.0	217	0.5	12.0	1.2	-6.0	95
100	11.0	8.2	7.0	217	0.5	6.0	0.8	-14.0	100
125	9.9	7.9	6.8	211	0.4	4.4	0.8	-4.8	125
150	9.7	7.7	6.6	204	0.4	2.8	1.0	-2.4	150
175	9.5	7.4	6.0	198	0.5	3.2	1.1	-0.4	175
200	9.3	7.2	5.0	178	0.5	4.8	1.1	0.0	200
225	8.5	6.9	6.1	124	0.3	3.2	1.0	0.0	225
250	8.2	6.7	5.6	77	0.4	2.8	1.0	0.0	250
275	7.1	6.3	5.6	14	0.4	2.8	1.1	0.0	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 23 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	13.0	11.2	9.4	146	0.9	0.0	0.0	0.0	0
5	13.0	11.1	9.4	146	0.9	6.0	0.2	-2.0	5
10	13.0	11.1	9.4	146	0.9	12.0	0.2	-16.0	10
15	13.0	11.1	9.4	146	0.9	18.0	0.4	-6.0	15
20	13.0	11.1	8.8	146	0.9	12.0	0.4	-10.0	20
25	13.0	11.1	8.6	146	0.9	10.0	0.3	-6.0	25
30	13.0	11.1	7.8	146	1.0	16.0	0.5	-6.0	30
35	13.0	11.1	7.4	145	1.0	8.0	0.3	-4.0	35
40	13.0	11.1	8.2	143	0.9	10.0	0.6	-4.0	40
45	12.9	11.0	7.8	143	1.0	32.0	1.9	-4.0	45
50	12.8	10.8	8.3	141	1.1	24.0	4.0	-6.0	50
55	12.8	10.5	8.1	136	1.2	54.0	6.4	-2.0	55
60	12.8	10.1	8.0	135	1.3	58.0	6.3	-4.0	60
65	12.8	9.9	7.8	126	1.3	32.0	5.0	-2.0	65
70	12.8	9.7	7.7	126	1.3	34.0	4.5	-4.0	70
75	12.6	9.5	7.3	124	1.3	18.0	3.0	-6.0	75
80	12.6	9.4	7.2	122	1.2	24.0	3.1	-4.0	80
85	12.6	9.2	7.5	122	1.1	34.0	2.5	-6.0	85
90	12.5	9.0	7.7	118	1.0	16.0	2.6	-8.0	90
95	12.5	8.9	7.7	114	1.0	18.0	2.1	-10.0	95
100	12.4	8.8	7.6	114	0.9	14.0	1.9	-2.0	100
125	12.1	8.4	7.4	108	0.7	6.8	1.6	-1.6	125
150	9.8	8.0	7.0	94	0.5	3.2	1.1	-0.4	150
175	9.1	7.6	6.1	91	0.5	3.6	1.1	-0.4	175
200	8.7	7.4	6.9	82	0.3	2.8	1.1	0.4	200
225	8.4	7.1	6.6	64	0.4	2.0	1.1	0.0	225
250	7.8	6.7	6.3	50	0.3	2.8	1.3	0.8	250
275	7.0	6.8	6.6	3	0.2	1.6	1.5	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

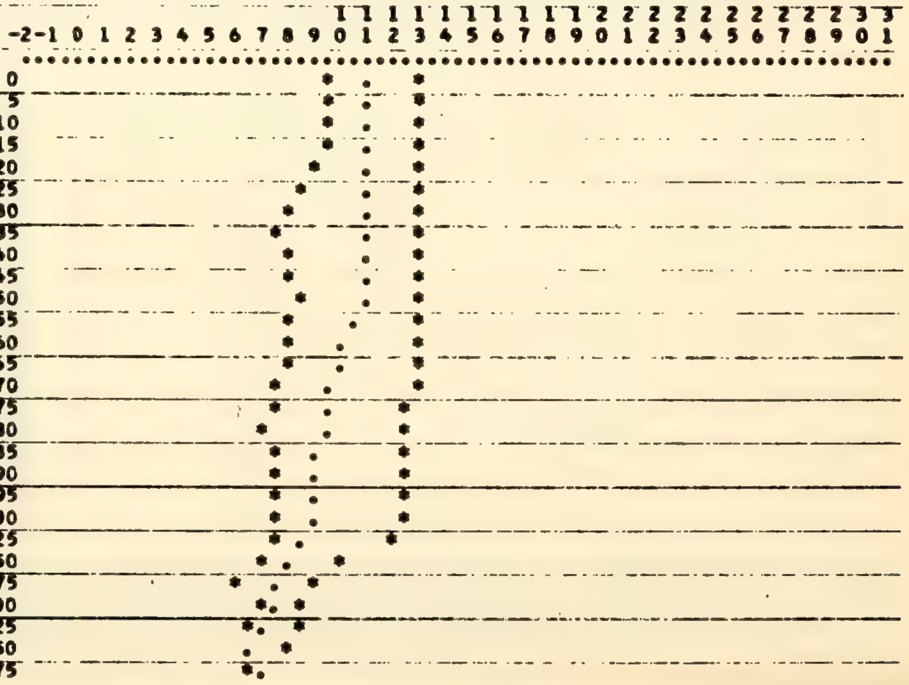


Table VI-1.—Continued

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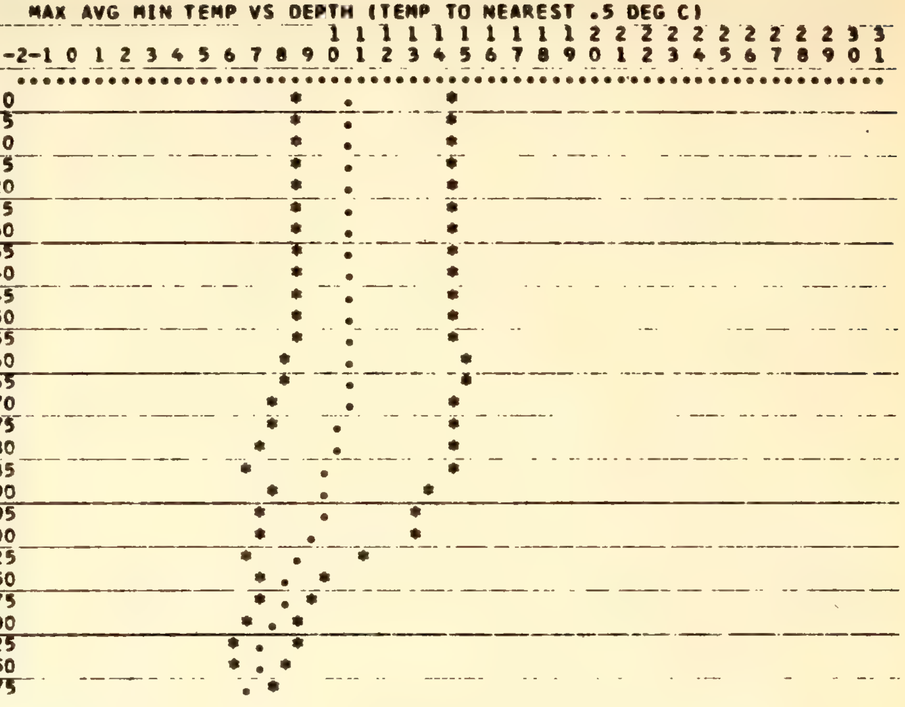
                    NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 24   MONTH  1

DEPTH                                          GRADIENT
METERS MAX   AVG   MIN   NUM  SDEV        MAX   AVG   MIN
     0 14.4  10.7   8.4  232   1.4        0.0   0.0   0.0    0
     5 14.4  10.7   8.4  232   1.4        2.0   0.1  -4.0    5
    10 14.4  10.7   8.4  232   1.4        2.0   0.0  -2.0   10
    15 14.5  10.7   8.4  232   1.4        2.0  -0.0  -2.0   15
    20 14.5  10.7   8.4  232   1.4        2.0   0.0  -2.0   20
    25 14.5  10.7   8.4  232   1.4        2.0  -0.0  -2.0   25
    30 14.5  10.7   8.4  232   1.4        4.0   0.1  -2.0   30
    35 14.5  10.7   8.4  232   1.4       12.0   0.1  -2.0   35
    40 14.5  10.7   8.4  232   1.4        4.0   0.1  -2.0   40
    45 14.6  10.7   8.4  232   1.4        6.0   0.2  -4.0   45
    50 14.6  10.7   8.4  232   1.4       10.0   0.3  -2.0   50
    55 14.7  10.6   8.4  231   1.4       14.0   0.5  -2.0   55
    60 14.8  10.6   8.0  230   1.4       16.0   1.0  -4.0   60
    65 14.8  10.5   7.9  229   1.5       26.0   1.8  -4.0   65
    70 14.6  10.3   7.5  229   1.6       26.0   3.3  -4.0   70
    75 14.6  10.1   7.5  229   1.6       38.0   4.8  -4.0   75
    80 14.5   9.9   7.2  227   1.6       30.0   4.9  -4.0   80
    85 14.5   9.6   6.7  227   1.6       42.0   4.9  -6.0   85
    90 13.3   9.4   7.5  222   1.5       28.0   4.2  -6.0   90
    95 12.9   9.3   7.2  221   1.4       22.0   3.8  -6.0   95
   100 12.9   9.1   7.0  221   1.3       20.0   3.6  -8.0  100
   125 11.1   8.5   6.6  209   0.8       11.2   2.4  -2.4  125
   150  9.5   8.1   7.0  182   0.5        5.6   1.3  -1.2  150
   175  9.0   7.8   6.9  178   0.4        4.4   1.1  -2.0  175
   200  8.6   7.5   6.4  176   0.4        3.6   1.2  -0.4  200
   225  8.3   7.2   6.1  124   0.4        2.8   1.2   0.0  225
   250  8.1   6.8   6.2   75   0.3        2.4   1.1   0.0  250
   275  7.3   6.5   6.3   23   0.2        1.6   0.9   0.0  275
```



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                    NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 24   MONTH  2

DEPTH                                          GRADIENT
METERS MAX   AVG   MIN   NUM  SDEV        MAX   AVG   MIN
     0 13.7  10.0   7.3  457   1.2        0.0   0.0   0.0    0
     5 13.6  10.0   7.3  457   1.2        8.0   0.1  -4.0    5
    10 13.6  10.0   7.3  457   1.2        8.0   0.2  -2.0   10
    15 13.6  10.0   7.3  457   1.2       10.0   0.2  -4.0   15
    20 13.6  10.0   7.3  457   1.2       14.0   0.2  -4.0   20
    25 13.7  10.0   7.3  457   1.2        8.0   0.2  -4.0   25
    30 13.7  10.0   7.3  457   1.2       10.0   0.2  -8.0   30
    35 13.7  10.0   7.3  457   1.2       10.0   0.3  -6.0   35
    40 13.7  10.0   7.3  457   1.2       26.0   0.3  -6.0   40
    45 13.7  10.0   7.3  457   1.2       18.0   0.3  -6.0   45
    50 13.7   9.9   7.3  457   1.2       20.0   0.4  -4.0   50
    55 13.7   9.9   7.3  449   1.1       10.0   0.4  -2.0   55
    60 13.7   9.8   7.4  449   1.1       10.0   0.5  -6.0   60
    65 13.6   9.8   7.4  449   1.1       14.0   0.8  -6.0   65
    70 13.6   9.7   7.4  449   1.1       14.0   1.2  -4.0   70
    75 13.6   9.7   7.6  449   1.1       24.0   1.6  -6.0   75
    80 13.6   9.6   7.6  449   1.1       18.0   1.8  -4.0   80
    85 13.5   9.5   7.5  449   1.1       18.0   2.4 -14.0   85
    90 13.3   9.3   7.4  447   1.0       28.0   3.4  -6.0   90
    95 13.0   9.1   7.3  439   1.0       26.0   3.7 -10.0   95
   100 12.9   8.9   7.2  439   1.0       20.0   3.6  -4.0  100
   125 11.8   8.3   6.8  388   0.6       10.4   2.2  -3.2  125
   150 10.9   8.0   6.9  267   0.4        6.0   0.8  -3.2  150
   175 10.5   7.8   6.8  262   0.4        2.4   0.9  -0.8  175
   200 10.3   7.5   6.5  256   0.4        2.4   1.1  -0.8  200
   225 10.0   7.3   6.2  209   0.4        2.4   1.1   0.0  225
   250  8.8   7.0   6.2  151   0.3        2.0   1.0   0.0  250
   275  7.3   6.8   6.3    7   0.3        1.6   0.8   0.4  275
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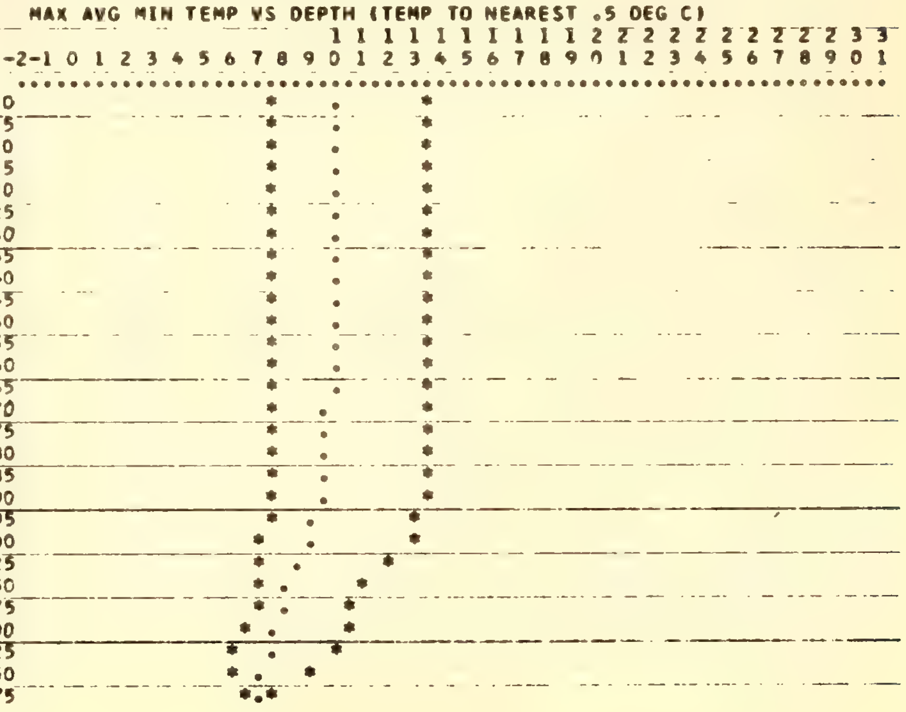
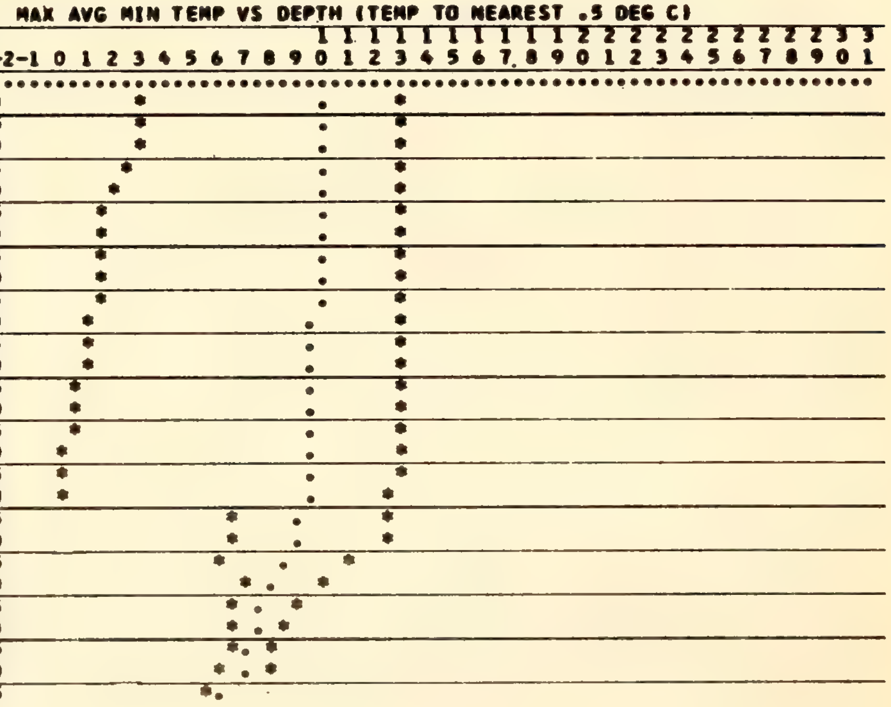


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 24 MONTH 3

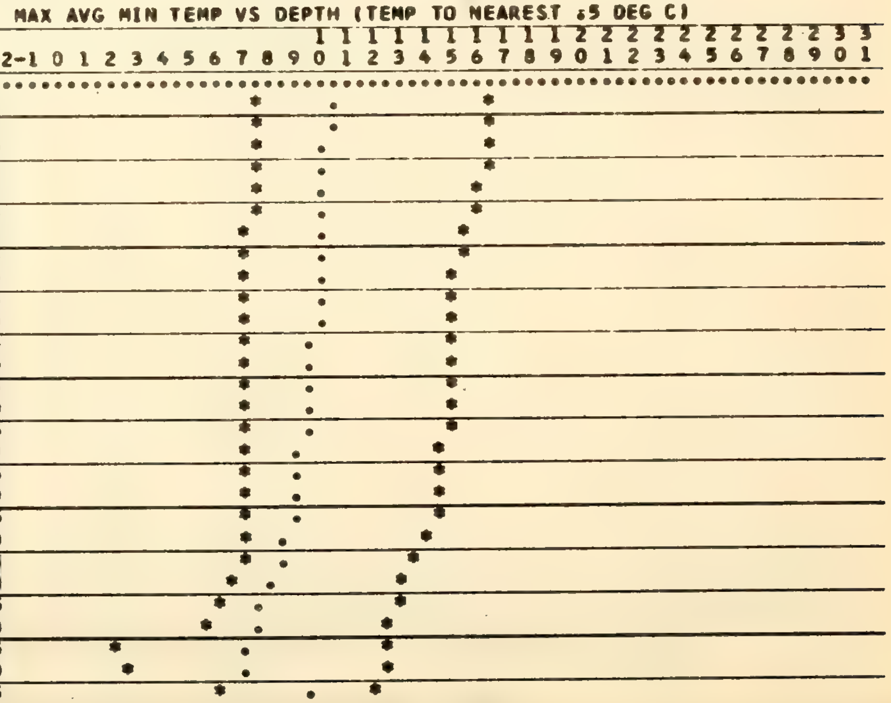
DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	12.8	9.9	2.8	198	1.5	0.0	0.0	0.0	0
5	12.8	9.9	2.8	198	1.5	14.0	0.2	-4.0	5
10	12.8	9.9	2.8	198	1.5	38.0	0.7	-2.0	10
15	12.8	9.9	2.6	198	1.6	18.0	0.5	-4.0	15
20	12.8	9.9	1.8	198	1.6	18.0	0.6	-4.0	20
25	12.8	9.8	1.7	198	1.7	22.0	0.5	-2.0	25
30	12.8	9.8	1.7	198	1.7	28.0	0.7	-2.0	30
35	12.8	9.8	1.7	197	1.7	8.0	0.4	-2.0	35
40	12.8	9.8	1.6	197	1.7	8.0	0.5	-2.0	40
45	12.8	9.8	1.3	197	1.7	10.0	0.5	-4.0	45
50	12.8	9.7	1.1	197	1.7	6.0	0.5	-8.0	50
55	12.8	9.7	0.9	196	1.6	16.0	0.8	-2.0	55
60	12.8	9.7	0.8	195	1.5	10.0	0.9	-4.0	60
65	12.8	9.7	0.7	194	1.5	8.0	1.0	-4.0	65
70	12.8	9.6	0.6	193	1.5	10.0	1.0	-8.0	70
75	12.8	9.5	0.5	193	1.6	16.0	1.5	-4.0	75
80	12.8	9.5	0.2	190	1.5	18.0	1.4	-8.0	80
85	12.8	9.4	0.1	190	1.5	14.0	2.3	-4.0	85
90	12.7	9.3	0.0	190	1.5	14.0	2.8	-4.0	90
95	12.7	9.1	6.6	188	1.3	22.0	3.5	-4.0	95
100	12.7	8.9	6.4	188	1.2	18.0	3.6	-6.0	100
125	11.1	8.3	6.1	142	1.0	14.0	2.6	-2.4	125
150	9.8	7.9	6.8	81	0.5	5.2	1.1	-2.8	150
175	9.0	7.6	6.7	76	0.4	3.2	0.9	-0.8	175
200	8.4	7.4	6.6	70	0.3	2.4	1.1	-0.4	200
225	8.2	7.2	6.4	54	0.4	2.0	1.1	0.0	225
250	7.8	6.9	6.0	45	0.4	2.4	1.1	0.4	250
275	6.1	5.9	5.7	3	0.2	1.6	1.3	1.2	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 24 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	16.3	10.3	7.7	323	1.3	0.0	0.0	0.0	0
5	16.3	10.3	7.6	323	1.3	10.0	0.8	-4.0	5
10	16.3	10.2	7.6	323	1.3	14.0	0.8	-12.0	10
15	16.3	10.2	7.6	323	1.3	12.0	1.1	-2.0	15
20	16.2	10.1	7.6	322	1.3	16.0	1.0	-2.0	20
25	15.8	10.1	7.5	322	1.2	18.0	1.0	-2.0	25
30	15.6	10.0	7.2	322	1.2	14.0	1.2	-4.0	30
35	15.3	9.9	7.1	322	1.2	16.0	0.9	-2.0	35
40	15.1	9.9	7.1	322	1.2	14.0	1.0	-2.0	40
45	15.0	9.8	7.1	321	1.2	10.0	1.1	-2.0	45
50	14.9	9.8	7.1	318	1.1	22.0	1.1	-4.0	50
55	14.9	9.7	7.1	315	1.1	18.0	1.3	-2.0	55
60	14.9	9.6	7.0	315	1.1	14.0	1.4	-4.0	60
65	14.9	9.5	7.0	313	1.1	12.0	1.6	-2.0	65
70	14.8	9.4	7.0	311	1.1	12.0	2.0	-4.0	70
75	14.8	9.3	7.0	310	1.1	18.0	2.2	-10.0	75
80	14.7	9.2	6.9	310	1.1	14.0	2.1	-6.0	80
85	14.7	9.1	6.9	307	1.1	26.0	2.7	-8.0	85
90	14.7	8.9	6.9	306	1.1	14.0	2.5	-4.0	90
95	14.6	8.8	6.9	298	1.1	14.0	2.1	-8.0	95
100	14.2	8.7	6.9	298	1.0	18.0	2.4	-8.0	100
125	13.4	8.3	7.1	265	1.0	7.6	1.6	-1.6	125
150	13.1	7.9	6.7	210	1.0	3.6	1.0	-2.0	150
175	13.0	7.7	6.2	198	1.0	4.8	1.0	-2.4	175
200	12.7	7.4	5.4	185	1.0	5.6	1.1	-0.4	200
225	12.5	7.2	1.9	115	1.4	14.0	1.4	0.0	225
250	12.3	7.1	2.6	65	1.7	10.4	1.5	0.4	250
275	12.0	9.7	6.1	3	3.2	2.0	1.5	1.2	275

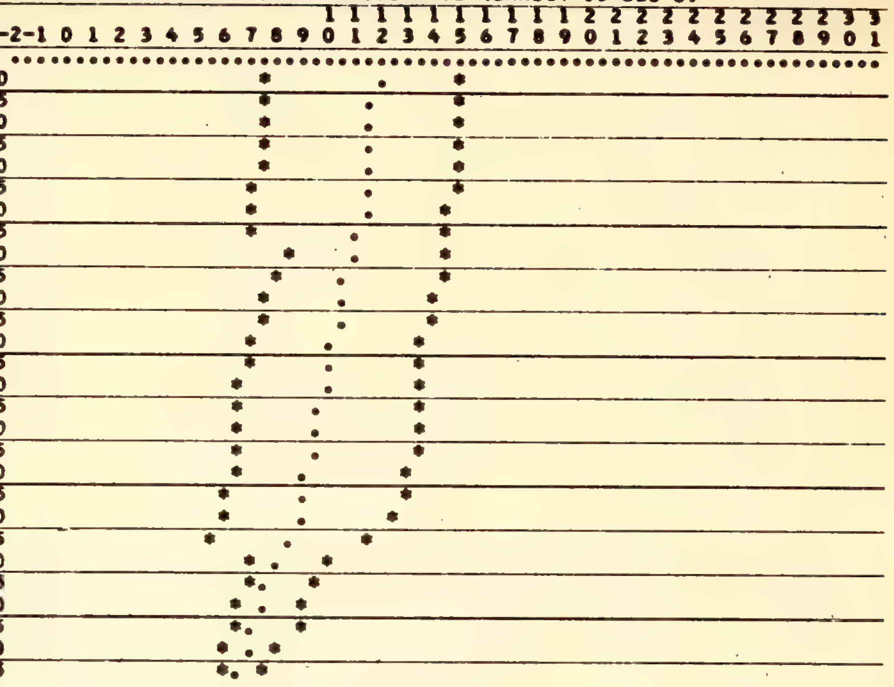


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 24 MONTH 5

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	14.9	11.8	7.5	400	1.1	0.0	0.0	0.0	0
5	14.9	11.7	7.3	400	1.1	18.0	0.6	-6.0	5
10	14.9	11.7	7.3	400	1.0	34.0	1.1	-20.0	10
15	14.9	11.6	7.3	400	1.0	28.0	1.5	-4.0	15
20	14.9	11.5	7.3	400	1.1	20.0	1.9	-2.0	20
25	14.8	11.4	7.2	400	1.1	18.0	1.8	-4.0	25
30	14.5	11.3	6.9	400	1.1	30.0	2.7	-4.0	30
35	14.4	11.1	6.8	399	1.1	26.0	3.5	-2.0	35
40	14.4	10.9	8.5	395	1.1	38.0	3.8	-2.0	40
45	14.4	10.7	8.0	395	1.1	26.0	3.9	-2.0	45
50	14.2	10.5	7.5	395	1.2	22.0	3.8	-2.0	50
55	13.9	10.4	7.4	395	1.1	30.0	3.8	-4.0	55
60	13.7	10.2	7.1	395	1.1	30.0	3.9	-6.0	60
65	13.5	10.0	6.8	394	1.1	20.0	3.8	-4.0	65
70	13.3	9.8	6.7	394	1.1	30.0	3.4	-4.0	70
75	13.4	9.6	6.7	394	1.1	12.0	3.2	-6.0	75
80	13.4	9.5	6.5	390	1.1	26.0	2.8	-16.0	80
85	13.4	9.4	6.4	389	1.1	14.0	2.8	-10.0	85
90	13.2	9.2	6.3	385	1.1	16.0	2.9	-10.0	90
95	12.8	9.1	6.2	376	1.0	20.0	2.5	-6.0	95
100	12.4	9.0	6.0	376	1.0	18.0	2.6	-6.0	100
125	11.4	8.5	5.5	312	0.8	8.4	2.1	-2.4	125
150	9.9	8.0	7.0	183	0.5	5.2	1.2	-1.2	150
175	9.4	7.7	6.9	171	0.5	4.0	1.1	-1.6	175
200	9.0	7.4	6.6	161	0.4	3.6	1.3	-0.4	200
225	8.8	7.2	6.3	124	0.4	2.4	1.2	0.0	225
250	8.2	6.8	6.1	95	0.4	2.4	1.4	0.0	250
275	7.5	6.4	6.0	37	0.3	2.8	1.3	-0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 24 MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	16.9	13.2	8.8	456	1.0	0.0	0.0	0.0	0
5	16.7	13.2	8.7	456	1.0	28.0	1.0	-4.0	5
10	15.9	13.1	8.7	456	1.0	24.0	1.6	-2.0	10
15	15.6	13.0	8.7	456	1.0	36.0	2.7	-6.0	15
20	15.6	12.8	8.4	456	1.0	46.0	3.2	-6.0	20
25	15.6	12.6	7.6	455	1.1	56.0	4.3	-2.0	25
30	15.6	12.3	7.5	453	1.1	44.0	6.1	-6.0	30
35	15.6	11.9	7.3	453	1.2	48.0	6.9	-2.0	35
40	15.6	11.5	3.0	453	1.3	210.0	8.3	-2.0	40
45	15.4	11.2	7.0	450	1.3	38.0	7.0	-172.0	45
50	14.9	10.9	7.7	447	1.3	30.0	6.0	-2.0	50
55	14.4	10.6	7.6	446	1.3	28.0	5.9	-2.0	55
60	14.2	10.3	7.5	445	1.2	26.0	5.1	-4.0	60
65	14.0	10.1	7.4	445	1.2	28.0	4.4	-6.0	65
70	13.9	9.9	7.2	444	1.2	26.0	4.0	-6.0	70
75	13.8	9.7	7.1	440	1.1	30.0	3.6	-12.0	75
80	13.8	9.6	6.5	440	1.1	26.0	2.9	-4.0	80
85	13.7	9.4	6.5	440	1.1	14.0	3.0	-8.0	85
90	13.6	9.3	6.5	438	1.1	20.0	2.9	-2.0	90
95	13.5	9.1	6.5	420	1.0	20.0	2.5	-4.0	95
100	12.7	9.0	6.5	420	1.0	16.0	2.7	-6.0	100
125	12.2	8.4	6.3	350	0.8	9.2	2.0	-2.4	125
150	9.8	7.9	6.1	283	0.6	5.2	1.2	-2.8	150
175	9.2	7.7	5.9	273	0.5	4.0	1.0	-0.8	175
200	8.7	7.4	5.7	256	0.5	4.4	1.1	-1.2	200
225	8.5	7.2	5.4	200	0.5	2.8	1.2	-0.4	225
250	8.2	6.8	5.2	171	0.5	3.2	1.3	0.0	250
275	7.1	6.3	4.9	41	0.3	3.2	1.2	0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

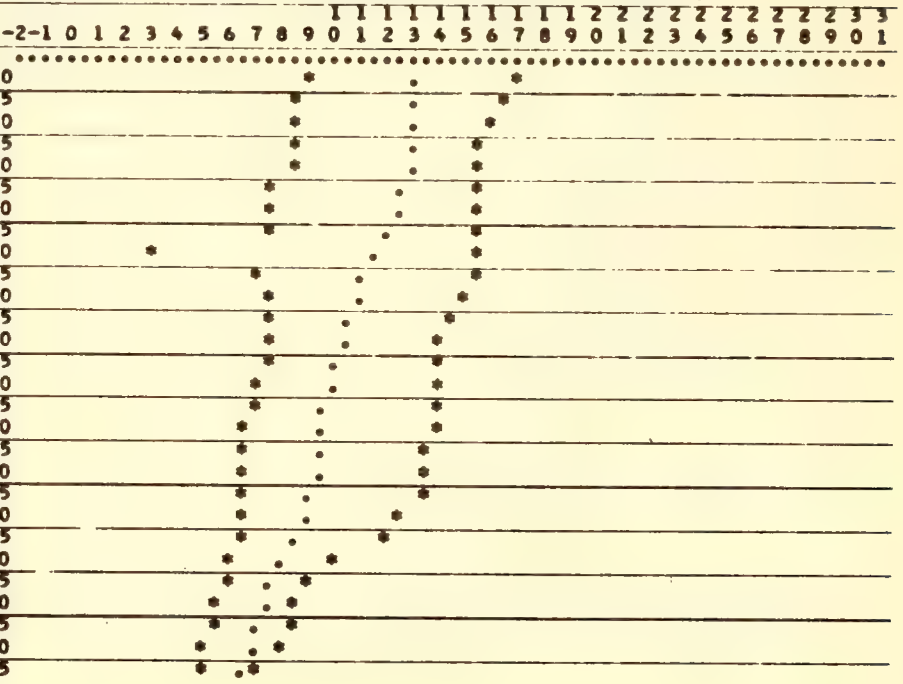


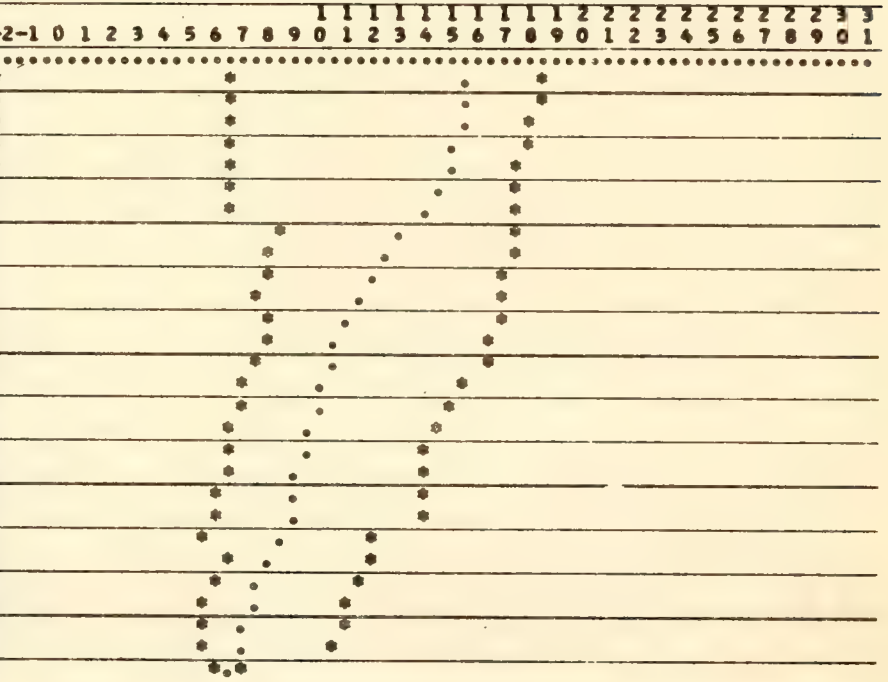
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 24 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	18.5	15.7	6.3	636	1.4	0.0	0.0	0.0	0
5	18.3	15.6	6.3	636	1.4	202.0	2.9	-4.0	5
10	17.9	15.4	6.3	636	1.4	48.0	3.7	-192.0	10
15	17.8	15.2	6.3	636	1.4	60.0	5.0	-8.0	15
20	17.6	14.8	6.3	636	1.5	66.0	7.0	-2.0	20
25	17.6	14.4	6.3	636	1.6	80.0	9.1	-4.0	25
30	17.5	13.8	6.3	636	1.8	62.0	11.3	-8.0	30
35	17.3	13.2	8.4	635	1.9	82.0	11.4	-194.0	35
40	17.3	12.6	8.2	633	2.0	58.0	11.8	-2.0	40
45	17.2	12.0	7.9	633	2.0	50.0	12.0	0.0	45
50	17.1	11.5	7.7	632	1.9	44.0	10.5	-2.0	50
55	16.8	11.0	8.0	629	1.8	60.0	9.9	-44.0	55
60	16.5	10.6	7.9	627	1.6	60.0	8.5	-6.0	60
65	16.3	10.3	7.6	622	1.5	38.0	6.8	-6.0	65
70	15.3	10.0	7.2	621	1.4	34.0	5.3	-10.0	70
75	14.8	9.8	6.9	620	1.3	32.0	4.4	-12.0	75
80	14.4	9.6	6.7	618	1.3	20.0	4.0	-2.0	80
85	14.2	9.4	6.6	615	1.2	18.0	3.7	-8.0	85
90	14.1	9.2	6.3	614	1.2	18.0	3.2	-6.0	90
95	13.9	9.1	6.2	606	1.1	18.0	3.0	-4.0	95
100	14.0	8.9	5.9	606	1.1	18.0	2.9	-4.0	100
125	12.2	8.3	5.5	534	0.8	10.4	2.3	-2.0	125
150	11.8	8.0	6.4	413	0.6	6.4	1.4	-2.4	150
175	11.5	7.7	5.9	391	0.6	4.8	1.1	-1.6	175
200	11.1	7.5	5.3	342	0.5	2.8	1.1	-2.0	200
225	10.8	7.2	5.7	248	0.6	2.4	1.1	0.0	225
250	10.6	7.0	5.6	163	0.7	2.8	1.2	0.0	250
275	6.9	6.4	5.9	8	0.3	1.6	1.2	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 24 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	20.5	16.7	9.8	497	1.6	0.0	0.0	0.0	0
5	20.3	16.6	9.8	497	1.7	62.0	1.8	-4.0	5
10	20.2	16.5	9.8	497	1.7	44.0	3.1	-4.0	10
15	20.2	16.2	9.7	497	1.8	46.0	4.7	-2.0	15
20	20.2	15.9	9.4	496	1.9	68.0	5.7	-2.0	20
25	19.7	15.6	9.0	496	2.0	76.0	7.2	-18.0	25
30	19.4	15.1	8.4	496	2.1	80.0	9.6	-4.0	30
35	18.1	14.4	7.7	494	2.2	66.0	13.1	-2.0	35
40	18.1	13.6	7.7	494	2.2	62.0	16.0	-2.0	40
45	17.7	12.8	7.6	492	2.2	72.0	16.8	-2.0	45
50	17.5	12.1	7.6	487	2.1	72.0	13.8	-10.0	50
55	17.3	11.6	7.7	463	2.0	40.0	11.8	-24.0	55
60	17.3	11.0	7.8	463	1.9	52.0	11.0	-8.0	60
65	17.0	10.6	7.7	462	1.7	42.0	9.1	-6.0	65
70	16.9	10.2	7.4	460	1.5	42.0	7.6	-6.0	70
75	16.2	9.9	7.3	458	1.4	40.0	6.3	-2.0	75
80	15.6	9.6	7.2	457	1.3	44.0	4.9	-6.0	80
85	14.9	9.4	7.0	456	1.2	28.0	4.7	-6.0	85
90	14.3	9.2	6.9	455	1.1	20.0	3.6	-10.0	90
95	13.6	9.0	6.9	448	1.0	24.0	3.2	-6.0	95
100	13.3	8.9	6.8	448	1.0	18.0	3.0	-6.0	100
125	12.5	8.3	6.6	396	0.7	10.4	2.3	-2.4	125
150	11.3	8.0	6.4	298	0.6	7.6	1.4	-4.4	150
175	10.0	7.7	6.5	292	0.5	5.6	1.1	-2.8	175
200	9.2	7.4	6.0	272	0.5	3.6	1.2	-0.8	200
225	9.0	7.2	5.8	208	0.6	3.6	1.2	-0.4	225
250	8.9	7.0	5.5	121	0.6	3.6	1.3	-0.4	250
275	8.2	6.8	5.9	20	0.5	2.4	1.2	-0.4	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

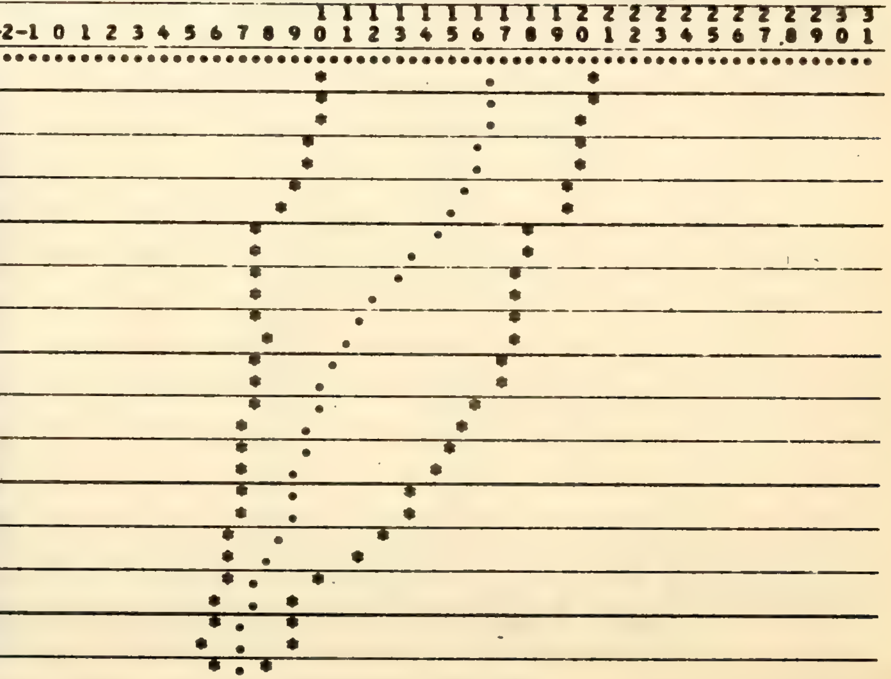


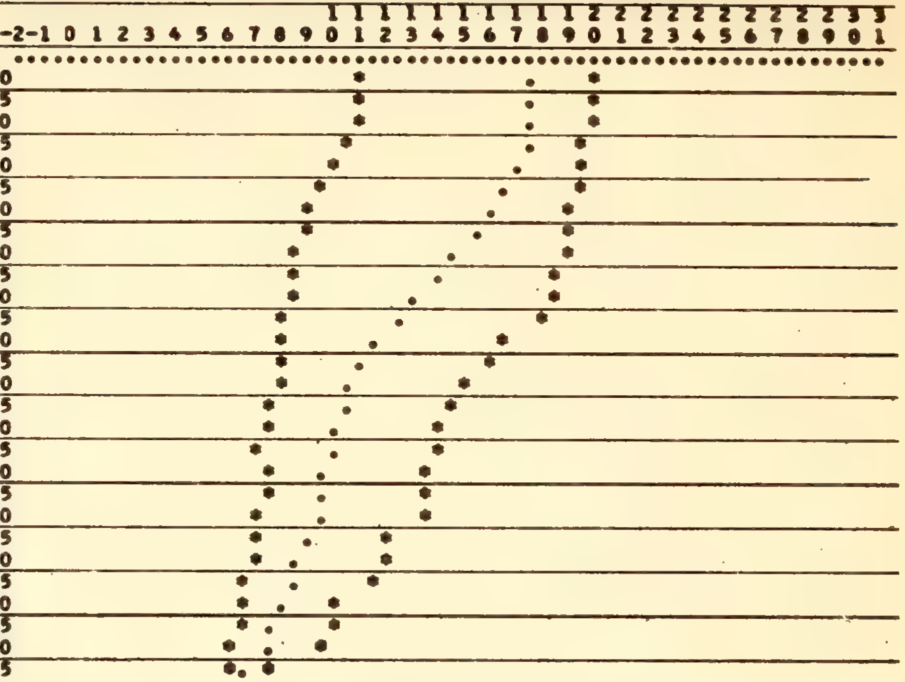
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 24   MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	20.0	17.5	11.2	282	1.3	0.0	0.0	0.0	0
5	20.0	17.5	11.1	282	1.3	14.0	0.6	-2.0	5
10	20.0	17.4	10.9	282	1.3	26.0	1.2	-6.0	10
15	19.7	17.3	10.4	282	1.3	68.0	2.8	-6.0	15
20	19.6	17.0	10.2	282	1.4	64.0	4.9	-2.0	20
25	19.3	16.7	9.3	282	1.6	60.0	7.2	-4.0	25
30	19.2	16.2	8.9	282	1.8	58.0	10.3	-2.0	30
35	19.2	15.4	8.9	280	2.1	98.0	14.5	-2.0	35
40	18.8	14.6	8.6	280	2.3	78.0	17.4	-2.0	40
45	18.7	13.8	8.5	279	2.4	64.0	16.1	0.0	45
50	18.6	13.0	8.3	276	2.3	80.0	15.1	0.0	50
55	18.1	12.3	8.0	274	2.2	68.0	14.6	-8.0	55
60	16.7	11.6	7.8	274	2.0	84.0	12.6	-10.0	60
65	15.8	11.1	7.9	266	1.7	48.0	10.8	-4.0	65
70	15.1	10.7	7.8	266	1.6	56.0	8.5	-4.0	70
75	14.6	10.4	7.6	264	1.4	22.0	5.9	-8.0	75
80	14.2	10.1	7.4	262	1.3	24.0	5.3	-6.0	80
85	14.0	9.9	7.2	261	1.3	30.0	4.9	0.0	85
90	13.6	9.7	7.3	258	1.2	16.0	4.0	-8.0	90
95	13.4	9.5	7.3	257	1.1	20.0	3.7	-14.0	95
100	13.3	9.3	7.2	257	1.1	22.0	3.2	-2.0	100
125	12.2	8.9	7.0	228	1.0	6.0	2.1	-1.6	125
150	11.8	8.6	6.8	194	0.9	4.0	1.5	-1.6	150
175	11.3	8.3	6.6	191	0.8	4.8	1.4	-1.6	175
200	10.2	8.0	6.4	180	0.8	4.4	1.2	-0.8	200
225	9.8	7.7	6.3	137	0.8	2.4	1.2	-0.8	225
250	9.7	7.3	5.8	101	0.9	2.4	1.2	0.0	250
275	7.5	6.5	6.1	38	0.3	2.0	1.4	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 24   MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.1	15.9	9.9	261	1.9	0.0	0.0	0.0	0
5	20.9	15.9	9.7	261	1.9	6.0	0.4	-2.0	5
10	20.6	15.8	9.7	261	2.0	8.0	0.3	-4.0	10
15	20.5	15.8	9.5	261	2.0	12.0	0.7	-4.0	15
20	20.5	15.8	9.3	261	2.0	22.0	1.0	-2.0	20
25	20.5	15.7	9.3	261	2.0	86.0	2.1	-4.0	25
30	20.4	15.5	9.4	261	2.1	58.0	3.3	-4.0	30
35	20.4	15.1	9.4	261	2.3	88.0	6.9	-2.0	35
40	20.4	14.5	9.3	261	2.7	110.0	13.2	-8.0	40
45	20.4	13.7	8.7	260	3.0	94.0	16.7	-2.0	45
50	20.4	12.8	8.3	259	3.2	76.0	16.9	-2.0	50
55	20.2	12.0	8.0	258	3.2	72.0	15.8	-2.0	55
60	20.0	11.4	7.8	257	3.1	66.0	12.1	-4.0	60
65	19.8	10.9	7.6	256	2.9	58.0	9.8	-12.0	65
70	19.3	10.5	7.4	256	2.7	46.0	8.2	-8.0	70
75	18.9	10.2	7.1	255	2.6	26.0	6.0	-6.0	75
80	18.2	10.0	6.8	254	2.5	28.0	5.2	-2.0	80
85	17.7	9.7	6.6	254	2.3	30.0	4.5	-4.0	85
90	16.6	9.6	6.4	252	2.2	28.0	3.7	-8.0	90
95	16.3	9.4	6.2	246	2.2	20.0	2.9	-10.0	95
100	15.9	9.3	6.1	246	2.1	22.0	2.7	-10.0	100
125	14.8	8.9	5.3	216	1.9	10.4	2.0	-3.2	125
150	13.6	8.5	7.0	159	1.8	7.2	1.6	-1.6	150
175	12.3	8.2	6.6	153	1.7	5.6	1.6	-0.4	175
200	11.4	7.9	6.4	139	1.6	4.4	1.5	0.0	200
225	11.1	7.6	5.9	97	1.6	2.8	1.2	0.0	225
250	10.6	7.5	5.7	41	1.5	2.4	1.3	0.0	250
275	6.9	6.1	5.3	4	0.7	1.6	1.3	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

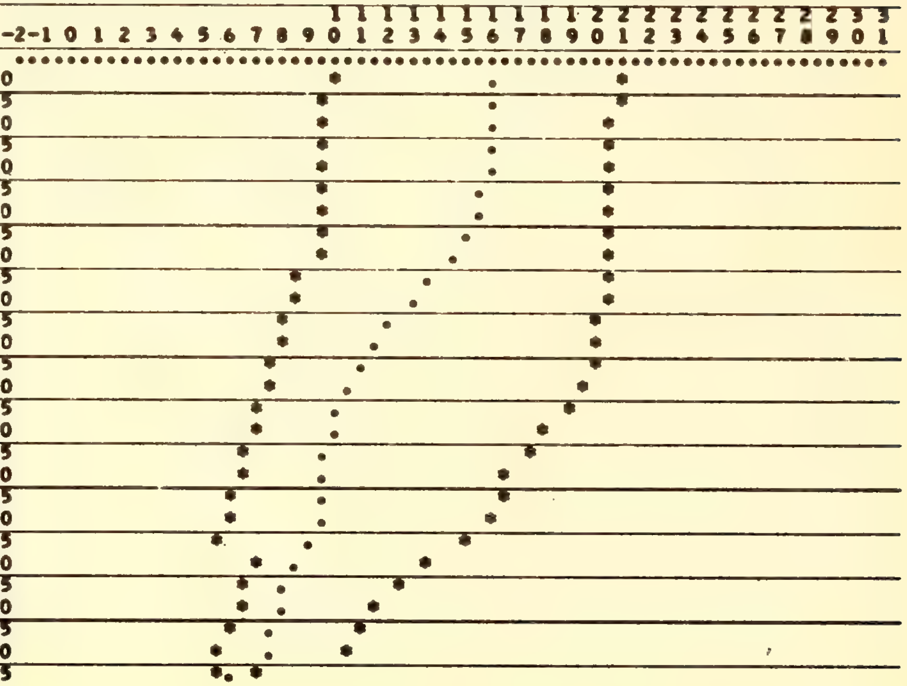


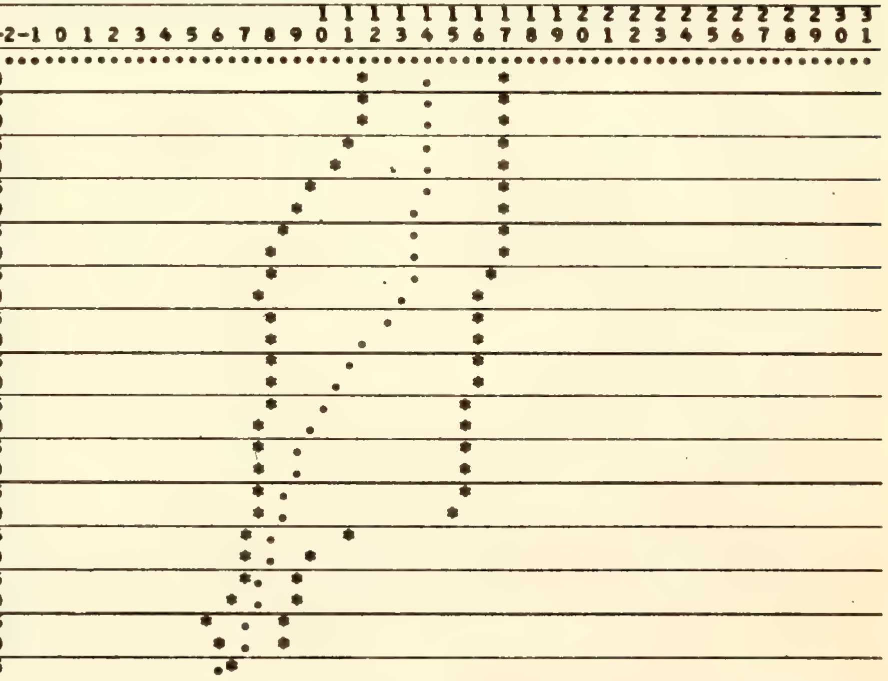
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 24 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	17.2	13.9	11.4	329	1.1	0.0	0.0	0.0	0
5	17.2	13.9	11.4	329	1.1	8.0	0.0	-4.0	5
10	17.2	13.9	11.4	329	1.1	18.0	0.2	-2.0	10
15	17.2	13.9	11.2	329	1.1	34.0	0.4	-6.0	15
20	17.2	13.9	10.6	327	1.1	74.0	1.3	-4.0	20
25	17.2	13.8	9.6	323	1.2	70.0	1.2	-2.0	25
30	17.1	13.7	9.0	323	1.3	48.0	1.4	-4.0	30
35	17.1	13.7	8.5	323	1.4	26.0	1.6	-2.0	35
40	17.1	13.5	8.1	322	1.5	50.0	2.6	-2.0	40
45	16.7	13.3	7.8	321	1.6	48.0	4.7	-16.0	45
50	16.2	12.9	7.6	316	1.9	82.0	9.1	-12.0	50
55	16.2	12.3	8.2	302	2.0	76.0	13.6	-2.0	55
60	16.0	11.6	8.1	301	2.1	70.0	14.7	-4.0	60
65	15.9	10.9	8.0	287	2.1	50.0	13.8	-4.0	65
70	15.9	10.3	7.8	287	1.8	60.0	12.9	-8.0	70
75	15.7	9.8	7.8	286	1.6	56.0	9.9	-6.0	75
80	15.7	9.4	7.7	283	1.4	40.0	7.5	-6.0	80
85	15.7	9.1	7.6	282	1.2	24.0	5.4	-8.0	85
90	15.6	8.9	7.5	276	1.1	36.0	4.2	-12.0	90
95	15.5	8.7	7.5	272	1.0	34.0	3.2	-10.0	95
100	15.1	8.6	7.4	272	0.9	24.0	2.3	-14.0	100
125	10.9	8.2	6.9	252	0.5	7.2	1.3	-4.8	125
150	9.3	7.9	7.1	218	0.3	4.4	0.8	-2.0	150
175	9.2	7.6	6.8	216	0.3	2.4	0.9	-0.8	175
200	8.9	7.4	6.4	211	0.3	3.6	1.1	-0.8	200
225	8.7	7.0	5.3	173	0.3	4.4	1.2	0.4	225
250	8.5	6.8	6.0	69	0.3	2.8	1.3	0.4	250
275	6.4	6.2	6.1	6	0.1	1.6	1.3	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

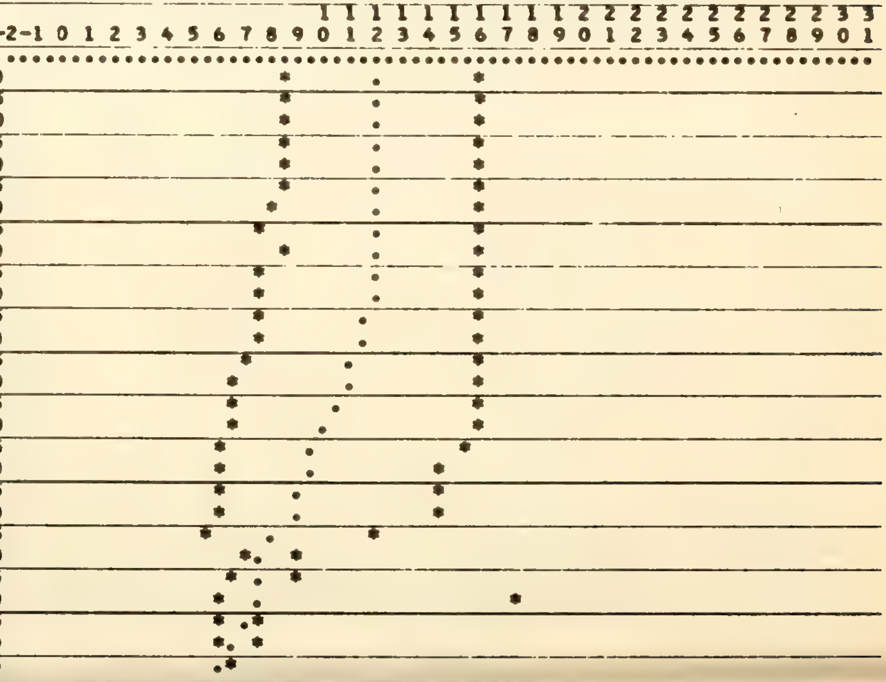


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 24 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	16.1	12.0	8.3	215	1.8	0.0	0.0	0.0	0
5	16.1	12.0	8.3	215	1.7	14.0	0.1	-4.0	5
10	16.1	12.0	8.3	215	1.7	12.0	0.1	-2.0	10
15	16.1	12.0	8.4	215	1.8	18.0	0.1	-6.0	15
20	16.1	12.0	8.4	213	1.8	12.0	0.3	-2.0	20
25	16.1	12.0	8.4	213	1.8	10.0	0.1	-6.0	25
30	16.1	12.0	7.8	213	1.8	16.0	0.2	-4.0	30
35	16.1	11.9	7.4	209	1.8	8.0	0.3	-8.0	35
40	16.1	11.9	8.3	207	1.8	36.0	0.7	-6.0	40
45	16.1	11.8	7.5	207	1.9	34.0	1.2	-12.0	45
50	16.1	11.8	7.5	204	1.9	30.0	1.5	-6.0	50
55	16.2	11.6	7.6	198	2.0	50.0	2.4	-34.0	55
60	16.2	11.4	7.3	194	2.1	60.0	4.8	-2.0	60
65	16.2	11.1	6.9	181	2.3	56.0	6.0	-2.0	65
70	16.2	10.8	6.7	177	2.3	48.0	6.4	-2.0	70
75	16.1	10.5	6.6	175	2.3	38.0	6.2	0.0	75
80	15.9	10.1	6.6	175	2.1	52.0	7.6	-2.0	80
85	15.3	9.7	6.2	175	2.0	38.0	8.1	-8.0	85
90	14.7	9.3	6.2	174	1.9	36.0	7.1	-8.0	90
95	14.7	9.0	6.1	173	1.9	28.0	6.3	-6.0	95
100	14.3	8.8	5.9	173	1.9	28.0	4.5	-4.0	100
125	12.1	8.1	5.4	158	1.6	10.8	2.4	-2.0	125
150	9.2	7.7	6.8	84	0.4	2.4	0.7	-1.6	150
175	8.8	7.5	6.3	82	0.3	3.2	0.9	-0.4	175
200	17.3	7.4	6.0	78	1.1	2.0	0.5	-39.2	200
225	7.7	6.9	5.9	49	0.4	2.0	1.2	0.4	225
250	7.3	6.6	5.8	27	0.4	2.0	1.1	0.0	250
275	6.4	6.2	6.0	2	0.2	1.6	1.2	0.8	275

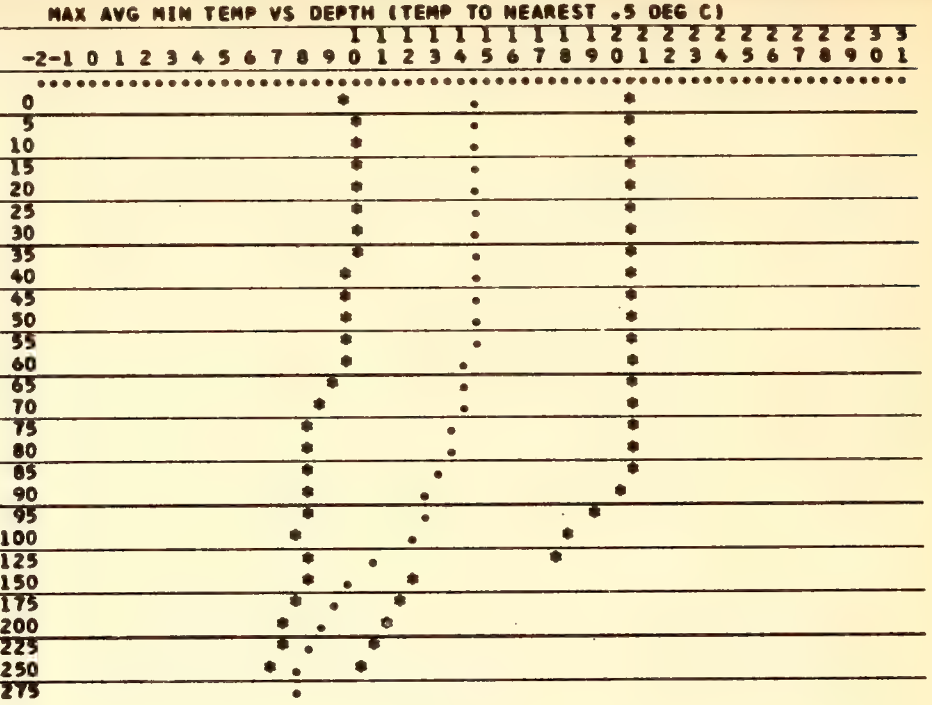
MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 25 MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	20.6	14.3	9.7	342	1.8	0.0	0.0	0.0
5	20.6	14.3	9.8	342	1.8	22.0	0.2	-16.0
10	20.6	14.3	9.8	342	1.8	16.0	0.2	-4.0
15	20.6	14.3	9.8	341	1.8	6.0	0.0	-12.0
20	20.6	14.3	9.8	337	1.8	4.0	0.0	-8.0
25	20.6	14.3	9.8	336	1.8	6.0	0.1	-6.0
30	20.6	14.3	9.8	336	1.8	4.0	0.1	-4.0
35	20.5	14.3	9.8	334	1.8	8.0	0.2	-2.0
40	20.5	14.3	9.7	333	1.8	10.0	0.4	-4.0
45	20.5	14.3	9.7	332	1.8	12.0	0.4	-2.0
50	20.4	14.3	9.7	327	1.8	22.0	0.5	-8.0
55	20.6	14.3	9.3	323	1.9	26.0	0.8	-8.0
60	20.6	14.2	9.6	321	1.9	22.0	1.3	-8.0
65	20.6	14.1	8.9	318	2.0	38.0	2.7	-6.0
70	20.5	13.9	8.4	315	2.1	52.0	3.7	-6.0
75	20.4	13.7	8.2	311	2.1	40.0	4.8	-10.0
80	20.3	13.4	7.9	305	2.1	42.0	6.0	-8.0
85	20.3	13.1	7.9	301	2.2	48.0	7.4	-18.0
90	20.0	12.7	7.8	297	2.1	56.0	8.5	-4.0
95	19.2	12.3	7.8	285	2.0	38.0	8.0	-4.0
100	18.1	11.9	7.7	285	1.9	36.0	7.1	-4.0
125	17.6	10.6	8.0	219	1.6	16.0	5.3	-2.0
150	12.2	9.5	7.8	112	1.0	11.2	3.3	-0.4
175	11.5	8.8	7.4	107	0.7	8.0	2.6	-0.4
200	11.1	8.3	7.1	93	0.7	5.2	2.0	0.0
225	10.5	8.0	6.8	64	0.7	2.8	1.5	0.4
250	9.9	7.7	6.7	34	0.6	2.0	1.1	0.0
275	7.7	7.7	7.7	1	0.0	1.6	1.6	1.6


MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 25 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN
0	17.0	13.2	8.3	428	1.5	0.0	0.0	0.0
5	17.0	13.2	8.3	428	1.5	10.0	0.3	-8.0
10	17.0	13.2	8.3	428	1.5	12.0	0.3	-2.0
15	17.0	13.2	8.3	428	1.5	10.0	0.4	-4.0
20	17.0	13.2	8.3	426	1.5	18.0	0.5	-2.0
25	17.0	13.1	8.3	424	1.5	10.0	0.3	-6.0
30	17.0	13.1	8.3	422	1.5	8.0	0.5	-4.0
35	17.0	13.1	8.3	420	1.6	18.0	0.5	-10.0
40	17.0	13.1	8.3	415	1.6	26.0	0.6	-34.0
45	17.0	13.0	8.3	413	1.6	20.0	0.6	-36.0
50	17.0	13.0	8.3	408	1.7	20.0	0.8	-34.0
55	18.2	13.0	8.3	388	1.7	32.0	1.1	-36.0
60	19.9	12.9	8.4	386	1.8	36.0	1.1	-34.0
65	19.1	12.9	8.3	379	1.8	16.0	1.6	-10.0
70	17.0	12.7	8.0	374	1.9	20.0	1.9	-8.0
75	17.0	12.6	8.3	368	1.9	34.0	2.6	-28.0
80	17.0	12.4	8.3	363	2.0	38.0	3.5	-12.0
85	17.0	12.3	7.8	357	2.1	28.0	4.0	-16.0
90	17.0	12.0	7.7	348	2.1	28.0	4.8	-10.0
95	17.0	11.7	7.4	325	2.1	26.0	4.9	-4.0
100	17.1	11.5	7.2	325	2.0	38.0	5.3	-26.0
125	16.7	10.5	7.3	227	1.5	13.2	4.9	-2.4
150	15.6	10.0	7.7	124	1.3	9.6	3.1	-2.0
175	14.3	9.4	7.1	116	1.0	12.4	2.5	-0.4
200	11.1	8.9	6.7	107	0.8	4.8	1.7	0.4
225	10.5	8.6	6.1	91	0.8	4.0	1.3	0.0
250	10.2	8.2	5.1	51	0.8	4.0	1.3	0.0
275	8.9	8.2	7.3	8	0.5	1.6	1.0	0.4

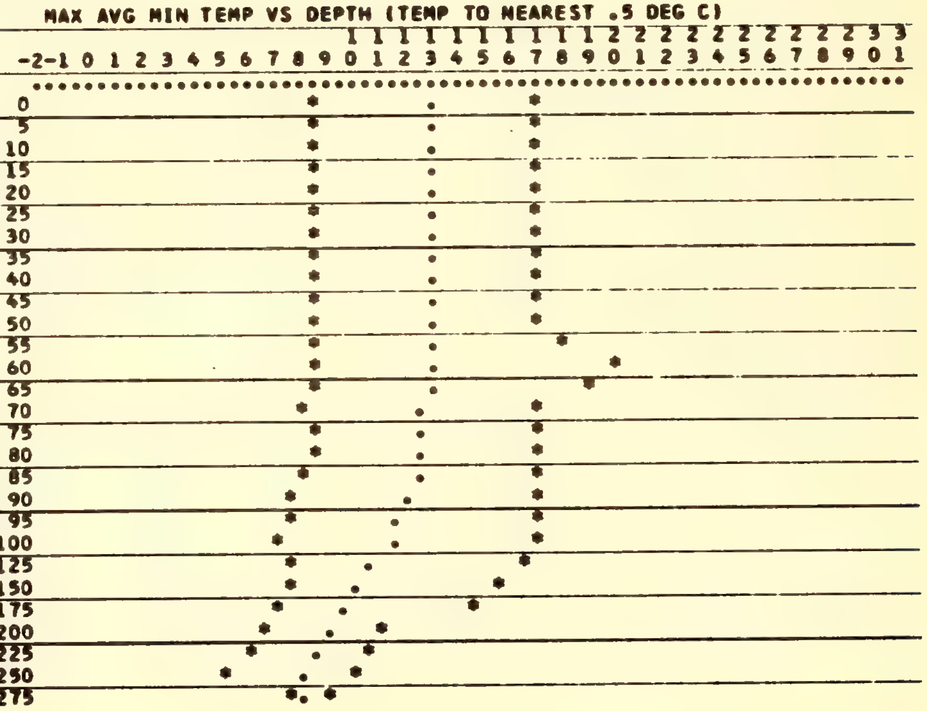

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

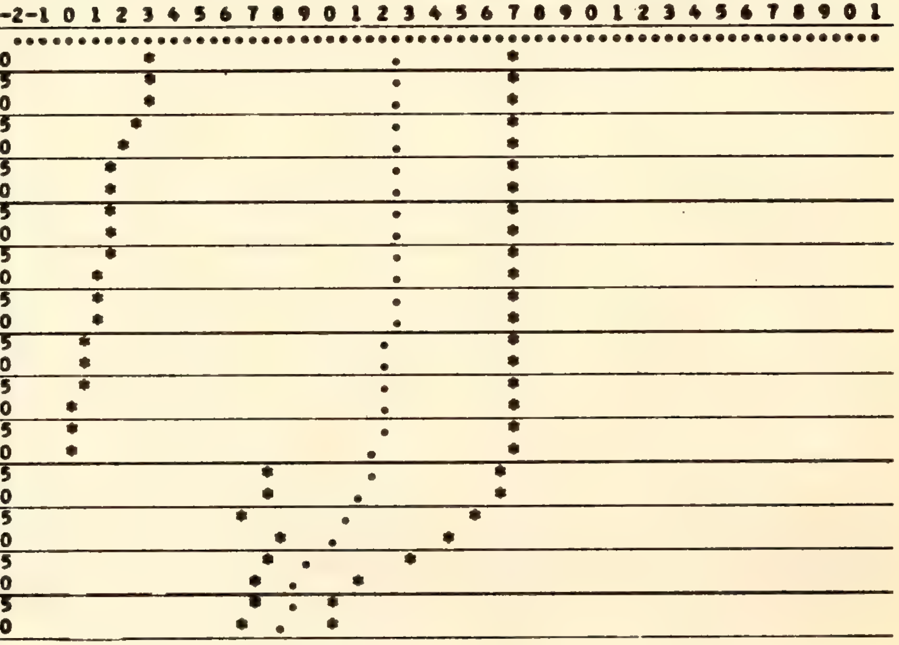
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 25 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	17.1	12.7	2.8	493	1.6	0.0	0.0	0.0	0
5	17.1	12.7	2.8	493	1.6	14.0	0.4	-6.0	5
10	17.1	12.6	2.8	490	1.7	38.0	0.7	-2.0	10
15	17.1	12.6	2.6	486	1.7	18.0	0.6	-14.0	15
20	17.1	12.6	1.8	477	1.7	18.0	0.7	-4.0	20
25	17.1	12.5	1.7	470	1.8	22.0	0.5	-6.0	25
30	17.1	12.5	1.7	467	1.8	28.0	0.6	-4.0	30
35	17.1	12.5	1.7	456	1.8	20.0	0.5	-2.0	35
40	17.1	12.5	1.6	444	1.8	12.0	0.8	-4.0	40
45	17.1	12.4	1.3	436	1.9	14.0	1.0	-8.0	45
50	17.1	12.4	1.1	423	1.9	16.0	1.0	14.0	50
55	17.1	12.4	0.9	404	1.9	22.0	1.5	-12.0	55
60	17.1	12.3	0.8	400	1.9	16.0	1.5	-28.0	60
65	17.1	12.2	0.7	393	2.0	28.0	1.8	-10.0	65
70	17.2	12.1	0.6	388	2.0	16.0	1.8	-10.0	70
75	17.2	12.0	0.5	385	2.1	18.0	2.0	-4.0	75
80	17.2	11.9	0.2	381	2.0	36.0	2.4	-10.0	80
85	16.9	11.8	0.1	373	2.0	26.0	3.0	-4.0	85
90	16.8	11.6	0.0	366	2.1	54.0	3.8	-4.0	90
95	16.4	11.4	7.7	349	2.0	26.0	4.1	-8.0	95
100	16.4	11.2	7.6	349	2.0	32.0	4.6	-4.0	100
125	15.5	10.3	6.6	206	1.5	14.4	5.1	-1.6	125
150	14.7	9.9	7.8	83	1.3	13.2	3.6	-0.4	150
175	13.0	9.2	7.4	69	1.1	8.0	2.5	0.0	175
200	11.0	8.7	7.1	49	0.9	8.0	2.0	0.8	200
225	10.0	8.3	6.9	36	0.7	5.2	1.3	-0.8	225
250	9.8	7.9	6.7	31	0.7	2.8	1.4	0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 25 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	18.2	12.8	8.0	482	2.0	0.0	0.0	0.0	0
5	18.2	12.7	7.9	482	2.0	22.0	1.5	-8.0	5
10	18.2	12.6	7.9	481	1.9	16.0	1.4	-4.0	10
15	18.2	12.6	7.8	478	2.0	16.0	1.2	-4.0	15
20	18.2	12.5	7.8	475	2.0	16.0	1.1	-4.0	20
25	18.2	12.5	7.7	473	2.0	14.0	0.8	-4.0	25
30	18.2	12.4	7.7	473	2.0	18.0	1.1	-8.0	30
35	18.2	12.4	7.6	468	2.0	14.0	0.8	-10.0	35
40	18.2	12.3	7.6	460	2.1	24.0	1.1	-8.0	40
45	18.2	12.2	7.5	459	2.1	18.0	1.4	-8.0	45
50	18.0	12.2	7.3	456	2.1	22.0	1.4	-12.0	50
55	17.7	12.1	7.1	453	2.1	22.0	2.0	-8.0	55
60	17.6	11.9	7.1	450	2.2	24.0	2.2	-22.0	60
65	17.4	11.8	7.1	442	2.2	26.0	2.4	-10.0	65
70	17.4	11.7	7.0	437	2.2	38.0	3.0	-8.0	70
75	17.3	11.6	6.9	423	2.2	24.0	3.0	-10.0	75
80	17.3	11.5	6.9	408	2.2	34.0	3.4	-10.0	80
85	17.3	11.4	6.8	394	2.2	24.0	4.4	-8.C	85
90	17.3	11.2	6.8	381	2.1	24.0	3.6	-6.0	90
95	16.9	11.1	6.8	345	2.0	24.0	3.9	-12.0	95
100	16.9	10.9	6.7	345	2.0	28.0	4.1	-8.0	100
125	16.5	10.2	7.6	215	1.6	16.8	4.3	-1.6	125
150	14.6	9.4	7.6	120	1.3	14.8	3.2	-1.2	150
175	13.2	8.8	7.2	112	1.0	14.0	2.4	0.4	175
200	11.0	8.4	6.7	103	0.9	5.6	1.6	-0.4	200
225	10.3	8.1	6.3	92	0.9	4.4	1.3	-0.8	225
250	9.8	7.7	6.1	41	0.9	2.4	1.1	0.0	250
275	7.7	7.7	7.7	1	0.0	2.8	2.8	2.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

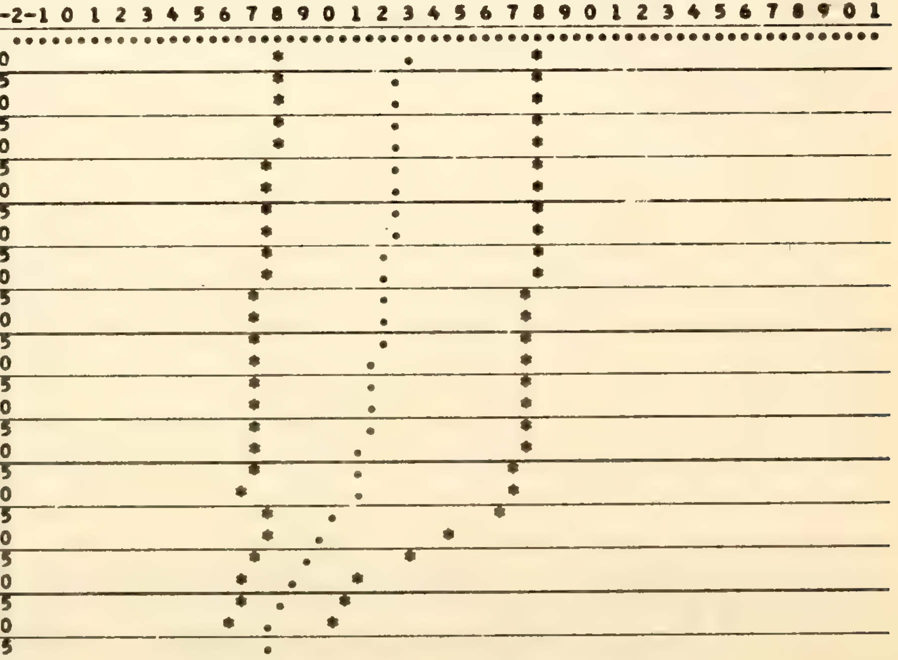
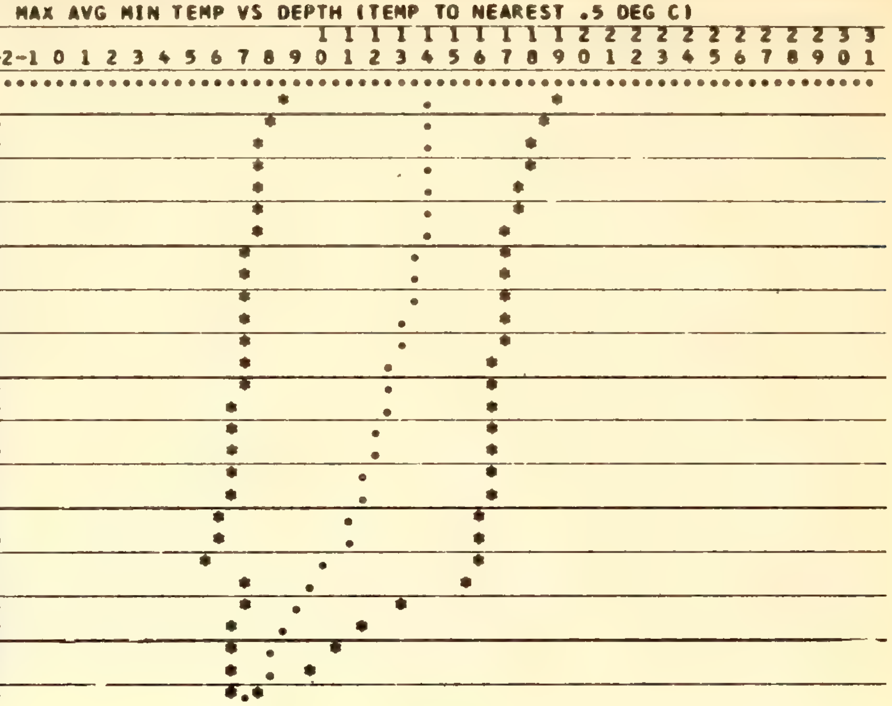


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 25 MONTH 5

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	19.2	14.1	8.3	1053	1.3	0.0	0.0	0.0	0
5	18.4	14.1	7.8	1052	1.2	20.0	0.8	-10.0	5
10	18.0	14.0	7.5	1049	1.2	24.0	1.1	-2.0	10
15	17.8	14.0	7.3	1045	1.2	28.0	1.1	-4.0	15
20	17.7	13.9	7.3	1041	1.2	28.0	1.2	-6.0	20
25	17.4	13.9	7.3	1039	1.2	26.0	1.1	-10.0	25
30	17.2	13.8	7.3	1036	1.2	30.0	1.7	-10.0	30
35	17.2	13.7	7.2	1029	1.2	28.0	2.3	-12.0	35
40	17.1	13.5	7.2	1027	1.2	38.0	3.2	-6.0	40
45	16.9	13.3	7.1	1026	1.2	36.0	3.4	-4.0	45
50	16.9	13.1	7.1	967	1.3	30.0	3.7	-6.0	50
55	16.8	12.8	7.1	909	1.3	30.0	4.9	-8.0	55
60	16.7	12.6	7.1	906	1.3	40.0	4.4	-8.0	60
65	16.6	12.5	6.8	903	1.3	36.0	3.7	-10.0	65
70	16.6	12.3	6.7	900	1.4	30.0	3.3	-6.0	70
75	16.6	12.1	6.7	890	1.4	24.0	3.5	-10.0	75
80	16.6	11.9	6.7	881	1.5	26.0	4.2	-6.0	80
85	16.4	11.6	6.4	876	1.5	22.0	5.3	-8.0	85
90	16.3	11.4	6.3	860	1.5	20.0	5.3	-18.0	90
95	16.1	11.1	6.2	825	1.5	22.0	5.4	-8.0	95
100	16.1	10.9	6.1	825	1.5	26.0	4.4	-10.0	100
125	15.9	9.9	5.6	655	1.2	15.2	3.5	-3.2	125
150	15.4	9.3	7.0	524	0.8	16.0	2.5	-1.6	150
175	13.1	8.8	7.1	479	0.5	12.4	1.9	-2.0	175
200	11.6	8.4	6.6	425	0.4	6.8	1.6	-1.2	200
225	10.4	8.1	6.3	359	0.4	4.8	1.3	0.0	225
250	9.3	7.8	6.3	202	0.3	4.4	1.4	0.0	250
275	7.3	6.8	6.5	6	0.3	1.6	1.2	0.8	275



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 25 MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	19.1	15.2	6.4	945	1.6	0.0	0.0	0.0	0
5	18.9	15.1	6.4	945	1.6	24.0	1.2	-6.0	5
10	18.9	15.0	6.4	944	1.7	30.0	1.8	-4.0	10
15	18.9	14.9	6.3	943	1.7	42.0	2.1	-14.0	15
20	18.9	14.8	6.3	940	1.7	36.0	1.9	-6.0	20
25	18.9	14.7	6.3	937	1.7	30.0	2.2	-10.0	25
30	18.7	14.6	6.3	935	1.7	38.0	3.0	-10.0	30
35	18.4	14.4	6.2	934	1.8	30.0	3.8	-4.0	35
40	18.3	14.1	6.3	929	1.8	60.0	4.7	-8.0	40
45	18.2	13.9	6.5	926	1.8	48.0	5.2	-10.0	45
50	18.2	13.6	6.6	884	1.8	42.0	4.5	-22.0	50
55	17.9	13.3	6.7	864	1.9	30.0	4.7	-16.0	55
60	17.4	13.1	6.4	861	1.9	74.0	4.6	-10.0	60
65	16.8	12.9	5.9	853	2.0	38.0	4.0	-10.0	65
70	16.7	12.7	5.6	849	2.0	36.0	4.0	-14.0	70
75	16.7	12.5	5.7	833	2.0	30.0	3.6	-12.0	75
80	16.5	12.4	5.7	818	2.1	40.0	3.4	-8.0	80
85	16.6	12.2	5.7	815	2.1	28.0	3.7	-14.0	85
90	16.4	12.0	5.5	801	2.1	26.0	3.5	-8.0	90
95	16.5	11.9	5.5	749	2.1	36.0	3.5	-12.0	95
100	16.6	11.7	5.4	749	2.1	22.0	3.7	-10.0	100
125	16.4	10.8	5.4	538	2.1	14.4	3.8	-4.0	125
150	15.7	10.0	5.3	254	1.9	13.6	3.8	-1.6	150
175	13.2	9.2	5.3	222	1.3	12.4	3.7	-0.8	175
200	10.7	8.5	5.3	198	1.0	10.0	2.4	-1.2	200
225	9.6	8.1	5.2	149	0.9	6.0	1.6	0.0	225
250	9.1	7.8	5.8	82	0.7	3.2	1.5	-0.8	250

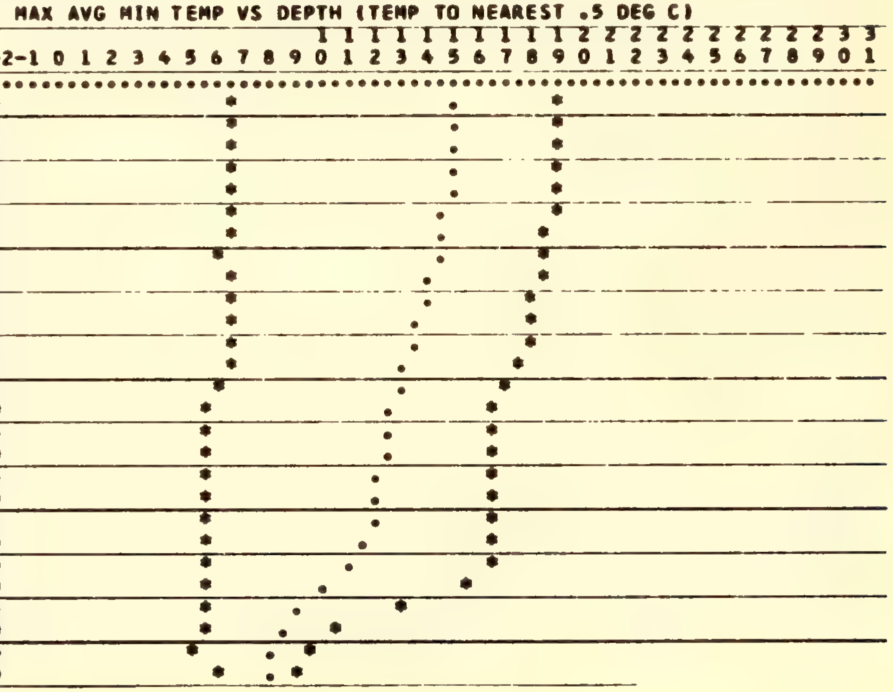


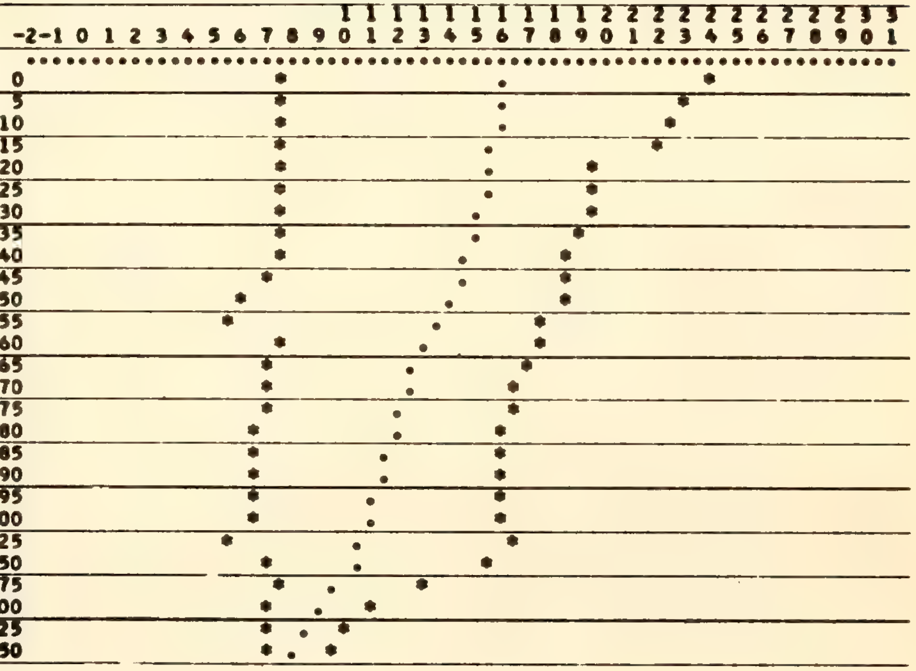
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 25 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	23.8	16.2	7.5	716	2.2	0.0	0.0	0.0	0
5	23.2	16.0	7.5	716	2.2	72.0	2.2	-18.0	5
10	22.6	15.9	7.4	716	2.2	30.0	3.3	-8.0	10
15	21.9	15.7	7.4	716	2.2	30.0	3.6	-6.0	15
20	19.7	15.5	7.4	716	2.2	56.0	3.2	-10.0	20
25	19.6	15.4	7.4	716	2.2	56.0	2.9	-6.0	25
30	19.5	15.2	7.4	713	2.3	82.0	3.7	-8.0	30
35	19.1	15.0	7.3	711	2.3	82.0	4.3	-6.0	35
40	18.7	14.7	7.3	705	2.4	52.0	6.6	-4.0	40
45	18.6	14.3	7.1	699	2.4	54.0	8.4	-10.0	45
50	18.5	13.8	6.1	676	2.4	44.0	8.9	-6.0	50
55	17.5	13.3	5.3	660	2.3	50.0	8.9	-44.0	55
60	17.3	13.0	7.3	657	2.2	60.0	7.7	-18.0	60
65	17.1	12.6	7.2	648	2.2	52.0	7.1	-16.0	65
70	16.4	12.3	7.1	638	2.2	34.0	5.7	-14.0	70
75	16.4	12.1	6.9	627	2.2	42.0	5.2	-12.0	75
80	16.2	11.8	6.7	617	2.2	28.0	4.6	-6.0	80
85	16.1	11.6	6.7	611	2.2	52.0	4.4	-10.0	85
90	16.0	11.4	6.6	594	2.2	74.0	4.0	-8.0	90
95	15.9	11.2	6.6	563	2.2	20.0	3.6	-70.0	95
100	15.8	11.0	6.6	563	2.2	30.0	3.7	-8.0	100
125	16.3	10.6	5.7	379	2.2	12.0	3.7	-2.8	125
150	15.5	10.5	7.1	217	1.9	10.4	3.3	-0.4	150
175	12.8	9.6	7.3	181	1.3	10.8	4.3	-0.8	175
200	11.1	9.0	7.2	156	0.9	9.2	3.0	0.0	200
225	10.2	8.6	6.9	127	0.7	3.6	1.7	0.0	225
250	9.7	8.1	6.8	58	0.7	2.8	1.2	0.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 25 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	29.4	17.6	10.0	815	2.1	0.0	0.0	0.0	0
5	27.3	17.5	10.0	815	2.1	42.0	1.1	-4.0	5
10	25.9	17.4	10.0	815	2.1	36.0	2.1	-2.0	10
15	24.0	17.3	10.0	813	2.2	48.0	3.2	-2.0	15
20	23.4	17.1	9.1	806	2.2	66.0	3.6	-4.0	20
25	22.2	16.9	8.6	804	2.3	52.0	4.1	-26.0	25
30	22.2	16.6	8.5	803	2.4	50.0	5.3	-6.0	30
35	22.1	16.2	8.5	798	2.4	50.0	6.7	-8.0	35
40	21.9	15.8	8.6	791	2.5	58.0	8.7	-8.0	40
45	21.3	15.3	8.6	787	2.5	72.0	11.0	-8.0	45
50	21.1	14.7	8.6	778	2.4	72.0	10.4	-6.0	50
55	20.8	14.2	8.3	762	2.4	42.0	9.8	-6.0	55
60	20.7	13.7	8.2	756	2.3	58.0	9.6	-8.0	60
65	20.6	13.3	7.9	745	2.2	60.0	8.7	-4.0	65
70	20.2	12.9	7.8	738	2.2	36.0	7.2	-10.0	70
75	19.9	12.6	7.6	732	2.1	38.0	6.1	-6.0	75
80	19.6	12.4	7.6	723	2.1	42.0	5.0	-16.0	80
85	19.5	12.1	7.4	720	2.1	36.0	4.9	-14.0	85
90	19.4	11.9	7.4	707	2.1	34.0	4.6	-12.0	90
95	19.4	11.7	7.6	680	2.1	24.0	4.1	-8.0	95
100	19.3	11.5	7.4	680	2.0	18.0	3.9	-8.0	100
125	16.1	10.6	7.2	551	1.8	12.8	4.7	-2.8	125
150	14.8	9.5	6.8	410	1.5	14.0	3.8	-1.6	150
175	13.5	8.9	6.7	378	1.2	11.2	2.4	-2.8	175
200	10.1	8.3	6.0	322	0.9	6.0	1.6	-1.2	200
225	9.6	8.2	5.8	254	0.7	3.6	1.3	-0.4	225
250	12.7	7.8	5.5	153	0.8	3.6	1.1	-20.0	250
275	8.2	8.1	8.0	3	0.1	1.6	1.1	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

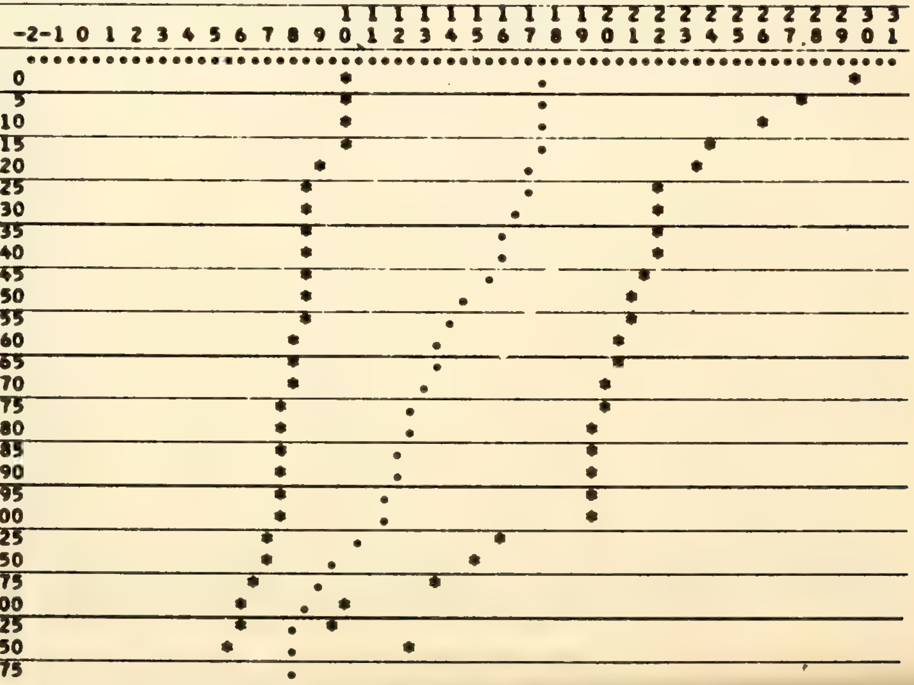


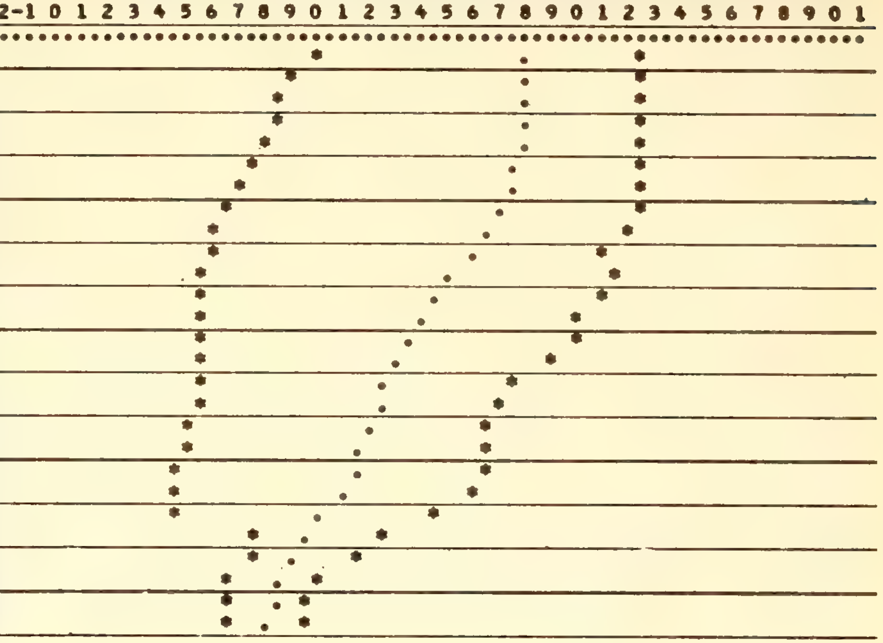
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 25 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	22.6	18.1	10.0	570	1.7	0.0	0.0	0.0	0
5	22.6	18.1	9.2	570	1.7	16.0	0.7	-6.0	5
10	22.6	18.0	8.7	567	1.7	18.0	0.9	-6.0	10
15	22.6	18.0	8.3	564	1.8	36.0	1.4	-8.0	15
20	22.6	17.8	8.0	558	1.9	38.0	2.0	-4.0	20
25	22.5	17.7	7.7	550	2.0	40.0	2.6	-14.0	25
30	22.6	17.5	7.0	550	2.1	56.0	4.1	-6.0	30
35	22.4	17.1	6.4	546	2.2	76.0	7.1	-8.0	35
40	22.1	16.6	6.2	536	2.3	72.0	11.0	-4.0	40
45	21.1	15.9	5.9	534	2.4	70.0	13.5	-12.0	45
50	21.6	15.2	5.6	527	2.4	60.0	13.9	-10.0	50
55	20.8	14.5	5.6	509	2.3	64.0	14.1	-8.0	55
60	20.2	13.8	5.6	502	2.3	84.0	12.5	-10.0	60
65	19.9	13.3	5.6	484	2.2	48.0	10.3	-6.0	65
70	18.8	12.9	5.6	482	2.2	40.0	8.3	-30.0	70
75	17.4	12.6	5.6	472	2.1	36.0	7.1	-8.0	75
80	17.1	12.3	5.5	457	2.1	24.0	5.6	-6.0	80
85	16.7	12.0	5.1	450	2.0	30.0	6.0	-8.0	85
90	16.4	11.7	4.8	432	2.0	32.0	4.9	-8.0	90
95	16.3	11.4	4.7	405	1.9	30.0	4.4	-6.0	95
100	16.1	11.2	4.6	405	1.9	22.0	4.2	-8.0	100
125	14.7	10.2	4.6	259	1.6	9.2	3.2	-1.6	125
150	12.3	9.6	7.7	142	1.0	8.8	2.6	-1.2	150
175	11.7	9.1	7.3	133	0.8	7.2	2.0	-0.4	175
200	10.2	8.7	6.7	122	0.7	6.8	1.5	0.0	200
225	9.7	8.4	6.7	101	0.6	4.0	1.2	-0.8	225
250	9.4	8.2	6.6	54	0.6	2.8	1.3	0.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 25 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.7	17.6	9.9	657	2.2	0.0	0.0	0.0	0
5	21.7	17.6	9.8	657	2.2	18.0	0.7	-6.0	5
10	21.7	17.5	9.7	657	2.2	18.0	0.9	-8.0	10
15	21.7	17.5	9.7	657	2.3	32.0	1.3	-6.0	15
20	21.8	17.4	9.5	655	2.4	32.0	1.4	-8.0	20
25	21.8	17.3	8.9	654	2.5	30.0	1.5	-8.0	25
30	20.8	17.2	8.9	652	2.6	38.0	1.8	-6.0	30
35	20.8	17.1	8.8	647	2.7	56.0	2.5	-8.0	35
40	20.8	16.8	8.8	644	2.8	54.0	4.5	-8.0	40
45	20.7	16.4	8.5	642	2.9	66.0	8.6	-6.0	45
50	20.3	15.7	8.6	636	2.8	64.0	13.3	-12.0	50
55	20.0	14.9	8.6	570	2.7	64.0	15.6	-6.0	55
60	20.0	14.2	8.3	569	2.5	60.0	13.9	-10.0	60
65	20.0	13.7	8.3	561	2.3	48.0	11.6	-14.0	65
70	19.9	13.2	8.2	556	2.1	44.0	9.6	-10.0	70
75	18.2	12.8	8.3	549	2.0	36.0	7.4	-8.0	75
80	17.2	12.5	8.3	541	1.9	40.0	6.5	-6.0	80
85	16.7	12.2	8.3	536	1.9	38.0	5.7	-14.0	85
90	16.6	11.9	8.1	517	1.8	32.0	5.3	-12.0	90
95	16.3	11.7	8.2	493	1.7	64.0	5.1	-14.0	95
100	16.1	11.5	8.1	493	1.7	18.0	4.5	-38.0	100
125	15.2	10.6	7.8	381	1.3	10.8	4.5	-2.8	125
150	14.2	9.8	7.3	218	0.9	9.6	3.2	-1.6	150
175	11.9	9.1	7.2	209	0.6	9.6	2.6	-0.4	175
200	10.3	8.7	6.7	189	0.5	6.8	1.9	0.0	200
225	9.8	8.3	6.3	158	0.5	4.0	1.5	-0.8	225
250	9.1	8.0	6.0	86	0.5	3.2	1.3	0.0	250
275	7.0	7.0	7.0	1	0.0	1.2	1.2	1.2	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

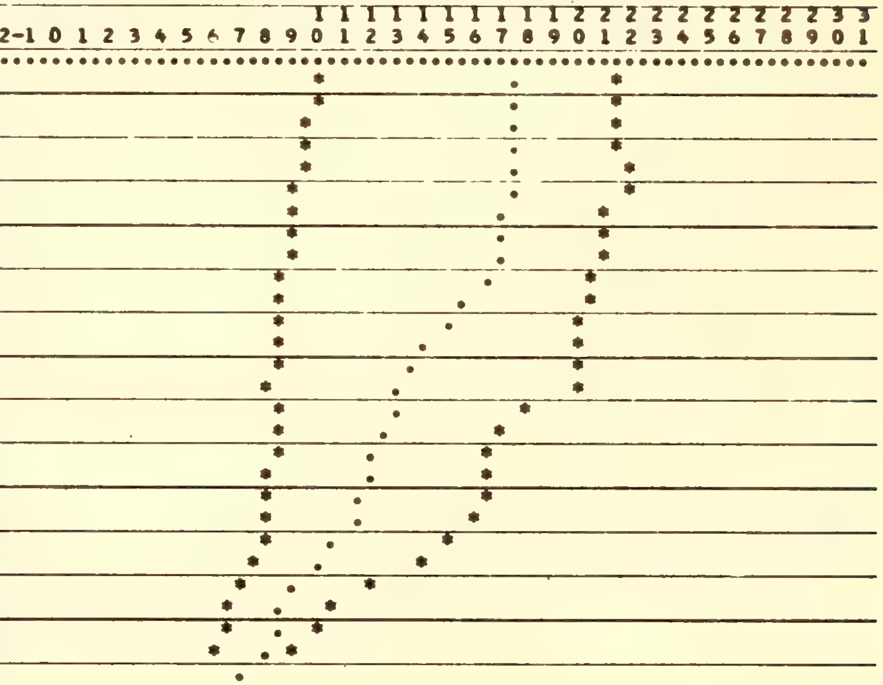


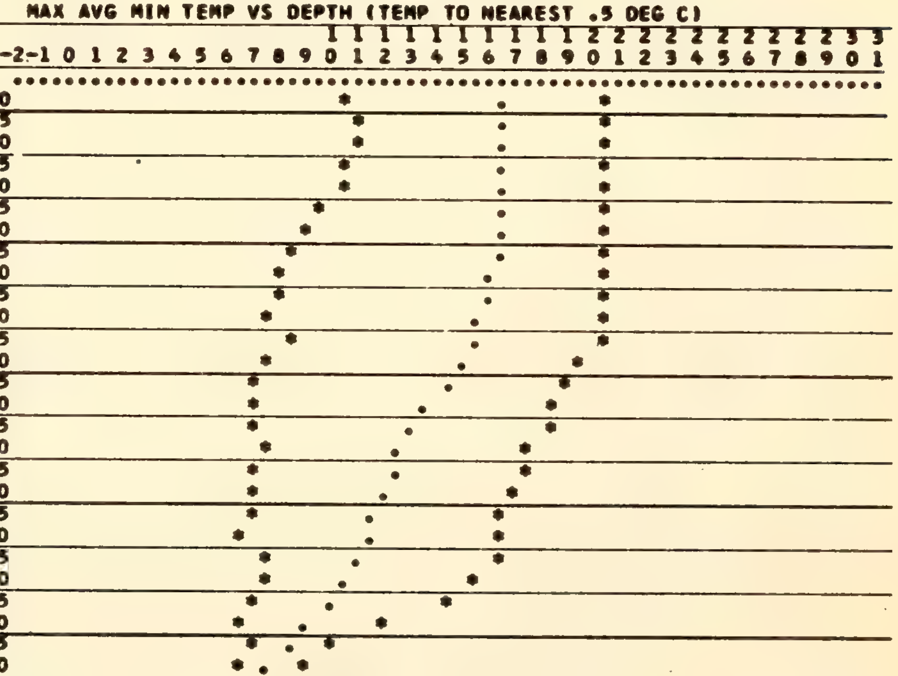
Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 25 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	20.7	16.5	10.7	443	1.9	0.0	0.0	0.0	0
5	20.6	16.4	11.0	443	1.9	12.0	0.3	-6.0	5
10	20.6	16.4	10.9	443	1.9	30.0	0.5	-2.0	10
15	20.5	16.4	10.7	440	1.9	34.0	0.7	-6.0	15
20	20.5	16.4	10.4	437	2.0	20.0	0.6	-12.0	20
25	20.5	16.4	9.6	430	2.0	20.0	0.7	-6.0	25
30	20.6	16.4	9.0	429	2.1	36.0	1.1	-10.0	30
35	20.6	16.3	8.5	425	2.2	36.0	1.7	-24.0	35
40	20.6	16.2	8.1	421	2.3	54.0	2.8	-12.0	40
45	20.6	16.0	7.8	419	2.4	48.0	4.8	-16.0	45
50	20.6	15.7	7.6	411	2.5	48.0	6.3	-4.0	50
55	20.3	15.4	8.3	389	2.5	66.0	8.2	-4.0	55
60	19.6	14.9	7.4	385	2.6	70.0	10.5	-4.0	60
65	19.0	14.3	6.9	381	2.5	66.0	11.6	-90.0	65
70	18.6	13.7	6.9	381	2.4	112.0	13.1	-10.0	70
75	18.4	13.1	7.1	377	2.3	68.0	10.6	-6.0	75
80	17.7	12.7	7.3	373	2.2	36.0	8.9	-20.0	80
85	17.7	12.3	7.1	369	2.2	88.0	8.2	-6.0	85
90	16.8	12.0	6.8	360	2.1	28.0	6.0	-16.0	90
95	16.7	11.7	6.8	340	2.1	34.0	5.7	-8.0	95
100	16.6	11.5	6.7	340	2.1	32.0	5.1	-4.0	100
125	16.6	10.8	7.3	248	2.2	10.0	3.8	-1.2	125
150	15.6	10.4	7.3	102	2.5	8.4	3.2	-1.2	150
175	14.7	9.8	6.9	79	2.1	10.8	3.2	-2.4	175
200	12.0	8.9	6.3	63	1.4	11.2	3.1	-1.2	200
225	10.2	8.3	6.9	39	0.9	7.6	1.8	0.0	225
250	8.8	7.7	6.7	13	0.6	2.8	1.4	0.8	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

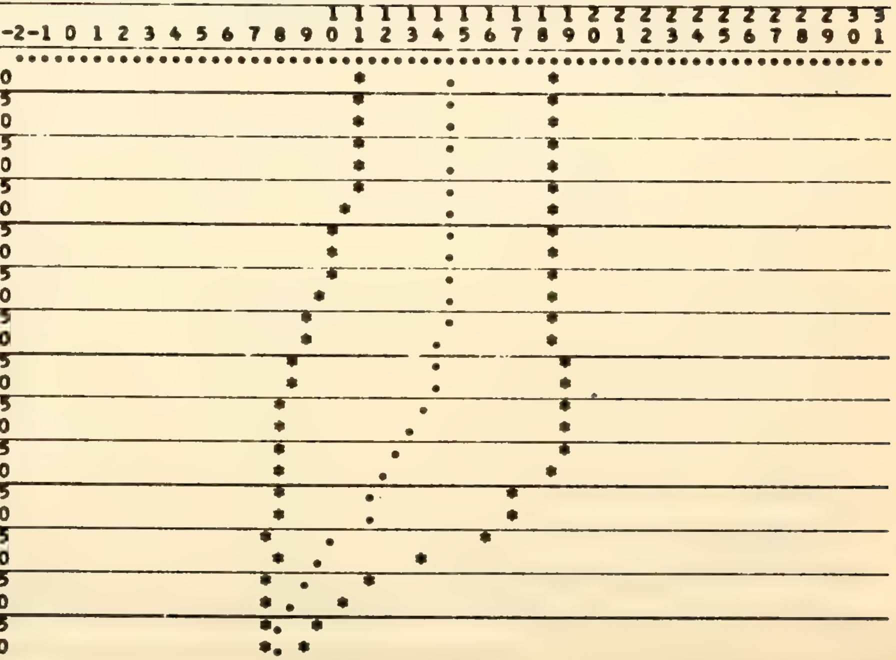


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 25 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	18.6	14.6	10.9	309	1.7	0.0	0.0	0.0	0
5	18.6	14.6	10.9	309	1.7	14.0	0.0	-8.0	5
10	18.6	14.6	10.9	309	1.7	8.0	0.2	-6.0	10
15	18.6	14.6	10.8	309	1.7	10.0	0.1	-4.0	15
20	18.6	14.6	10.8	306	1.7	10.0	0.2	-6.0	20
25	18.6	14.6	10.8	304	1.7	22.0	0.3	-8.0	25
30	18.6	14.6	10.5	301	1.7	36.0	0.4	-6.0	30
35	18.6	14.6	10.0	297	1.8	32.0	0.7	-6.0	35
40	18.6	14.5	9.9	294	1.8	44.0	1.0	-6.0	40
45	18.6	14.5	10.1	291	1.9	24.0	1.2	-10.0	45
50	18.6	14.4	9.7	285	2.0	30.0	1.6	-8.0	50
55	18.6	14.3	9.2	265	2.0	34.0	2.2	-6.0	55
60	18.6	14.2	8.9	262	2.1	106.0	2.8	-92.0	60
65	18.9	14.1	8.6	253	2.1	40.0	3.9	-42.0	65
70	18.9	13.9	8.4	244	2.1	50.0	6.0	-6.0	70
75	18.9	13.6	8.2	241	2.0	50.0	8.5	-16.0	75
80	18.9	13.1	8.1	237	1.9	46.0	10.4	-6.0	80
85	18.9	12.5	7.9	235	1.8	58.0	11.9	-18.0	85
90	18.3	12.0	7.8	228	1.7	40.0	9.6	-4.0	90
95	16.9	11.6	7.8	215	1.7	44.0	8.5	-4.0	95
100	16.9	11.3	7.8	215	1.6	38.0	6.4	-36.0	100
125	16.2	10.0	7.4	170	1.4	16.4	4.8	0.0	125
150	13.3	9.4	7.8	55	1.2	8.0	2.9	-0.4	150
175	11.5	8.8	7.6	50	0.8	10.0	2.2	-0.8	175
200	10.3	8.4	7.5	44	0.6	4.8	1.6	0.0	200
225	9.4	8.1	7.3	27	0.6	3.6	1.6	0.4	225
250	8.8	8.1	7.3	11	0.5	2.8	1.3	0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



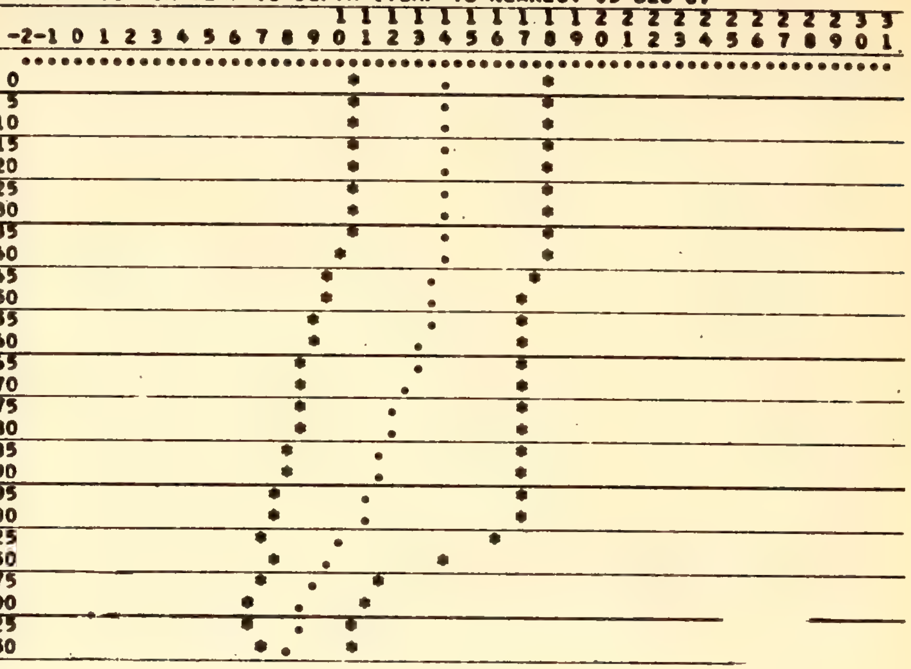
.Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 26 MONTH 1

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	17.9	14.1	10.4	848	1.2	0.0	0.0	0.0	0
5	17.9	14.1	10.4	848	1.2	16.0	0.4	-10.0	5
10	17.9	14.1	10.4	846	1.2	10.0	0.3	-8.0	10
15	17.9	14.0	10.4	845	1.2	20.0	0.4	-22.0	15
20	17.9	14.0	10.4	844	1.2	20.0	0.4	-8.0	20
25	17.9	14.0	10.4	841	1.2	12.0	0.5	-6.0	25
30	17.9	14.0	10.4	840	1.2	26.0	0.8	-10.0	30
35	17.9	13.9	10.4	839	1.3	26.0	1.0	-4.0	35
40	17.8	13.8	10.1	823	1.3	30.0	1.5	-4.0	40
45	17.7	13.7	9.6	815	1.4	28.0	1.8	-10.0	45
50	17.1	13.6	9.4	795	1.4	44.0	2.8	-8.0	50
55	17.1	13.4	9.2	779	1.5	66.0	4.1	-4.0	55
60	17.1	13.1	8.8	777	1.6	42.0	5.0	-4.0	60
65	17.1	12.8	8.6	766	1.7	44.0	5.7	-12.0	65
70	17.1	12.5	8.4	760	1.8	42.0	6.2	-16.0	70
75	17.2	12.2	8.3	745	1.8	42.0	6.7	-12.0	75
80	17.2	11.9	8.3	740	1.8	40.0	6.5	-28.0	80
85	17.2	11.6	8.1	732	1.8	54.0	6.1	-10.0	85
90	16.9	11.3	7.9	712	1.8	40.0	5.5	-14.0	90
95	16.9	11.1	7.7	663	1.7	40.0	4.8	-8.0	95
100	16.9	10.8	7.5	663	1.7	48.0	4.3	-20.0	100
125	16.2	10.0	6.8	453	1.4	15.2	3.7	-0.4	125
150	13.9	9.4	7.3	111	1.0	10.0	2.4	0.0	150
175	11.6	9.0	6.9	77	1.0	4.8	1.8	0.4	175
200	10.9	8.7	6.7	68	1.0	3.2	1.3	0.0	200
225	10.5	8.5	6.4	47	1.0	2.8	1.3	0.0	225
250	10.4	8.2	7.1	35	0.9	2.4	1.1	0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 26 MONTH 2

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	24.5	13.6	7.1	641	1.4	0.0	0.0	0.0	0
5	24.5	13.5	7.1	641	1.4	14.0	0.4	-4.0	5
10	24.5	13.5	7.1	641	1.4	14.0	0.4	-6.0	10
15	24.6	13.5	6.9	641	1.4	10.0	0.5	-6.0	15
20	24.1	13.5	7.0	640	1.4	16.0	0.6	-6.0	20
25	23.8	13.4	7.0	636	1.4	18.0	0.8	-6.0	25
30	23.8	13.4	7.0	636	1.4	22.0	0.9	-4.0	30
35	23.2	13.3	7.1	632	1.4	18.0	1.0	-8.0	35
40	23.2	13.2	7.0	630	1.4	36.0	1.5	-6.0	40
45	23.1	13.2	7.0	627	1.4	28.0	1.7	-4.0	45
50	22.6	13.1	6.8	626	1.4	24.0	2.0	-4.0	50
55	22.3	12.9	6.6	621	1.5	24.0	2.8	-4.0	55
60	22.1	12.7	6.4	618	1.5	32.0	3.3	-10.0	60
65	20.6	12.5	6.2	607	1.5	28.0	4.0	-10.0	65
70	20.4	12.3	6.1	604	1.5	42.0	4.7	-8.0	70
75	20.4	12.0	5.9	598	1.6	42.0	5.2	-16.0	75
80	20.3	11.8	5.8	591	1.6	28.0	4.9	-52.0	80
85	20.1	11.5	5.8	590	1.6	30.0	5.4	-10.0	85
90	20.1	11.2	5.7	582	1.6	66.0	5.4	-12.0	90
95	17.0	10.9	5.6	549	1.5	38.0	5.2	-8.0	95
100	17.0	10.7	5.6	549	1.4	24.0	5.0	-4.0	100
125	14.3	9.7	6.5	389	1.1	15.6	3.8	0.4	125
150	11.2	9.0	6.3	135	0.6	8.4	2.2	0.0	150
175	10.1	8.6	6.1	112	0.5	4.8	1.7	0.4	175
200	9.6	8.2	5.7	101	0.5	4.0	1.4	-0.4	200
225	9.4	7.9	5.3	90	0.5	2.4	1.3	0.0	225
250	9.3	7.5	5.0	56	0.6	3.2	1.4	0.0	250
275	7.6	6.7	4.8	5	1.1	1.6	1.2	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

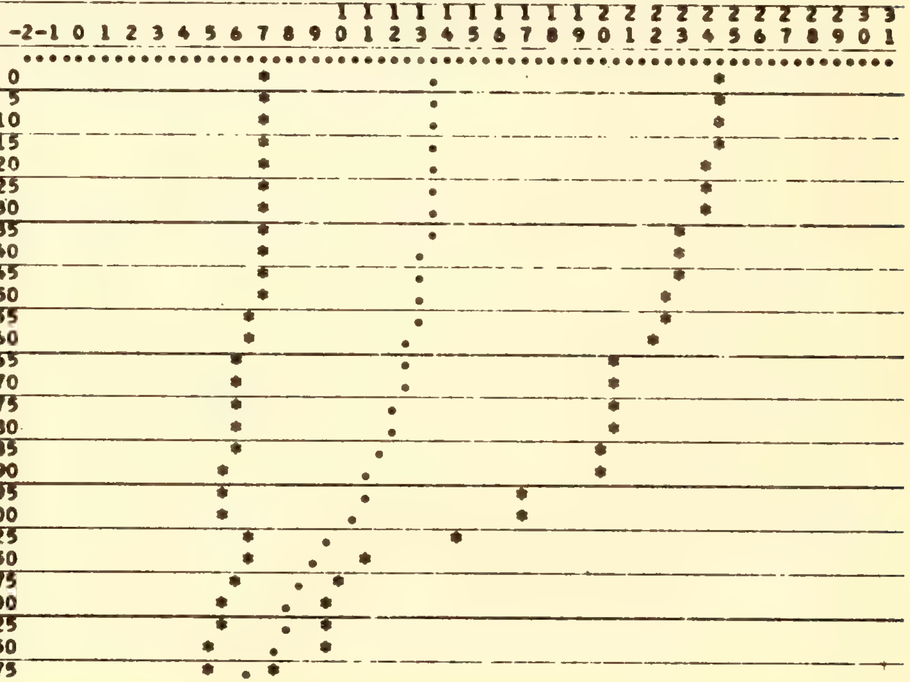


Table VI-1.--Continued

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                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 26   MONTH 3
                                                               MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                        1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                     GRADIENT             -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN   NUM  SDEV      MAX   AVG    MIN       ....................................................................
   0  19.8  13.7  10.3   942   1.2      0.0   0.0    0.0    0                            *     .            *
   5  19.8  13.6  10.2   942   1.2     18.0   0.7   -6.0    5                           *      .            *
  10  19.8  13.6  10.1   940   1.2     14.0   0.8   -4.0   10                           *      .            *
  15  19.8  13.5  10.1   937   1.2     34.0   1.0   -4.0   15                           *      .            *
  20  19.8  13.5   9.9   934   1.3     32.0   1.3   -8.0   20                           *      .            *
  25  19.8  13.4   8.8   918   1.3     72.0   2.0  -14.0   25                         *        .            *
  30  19.8  13.4   9.8   878   1.3     22.0   1.1   -6.0   30                           *      .            *
  35  19.8  13.4   9.6   876   1.3     28.0   1.2   -6.0   35                          *       .            *
  40  19.8  13.3   9.4   873   1.3     24.0   1.4   -6.0   40                          *       .            *
  45  19.8  13.2   9.3   870   1.4     38.0   1.9   -4.0   45                          *      .             *
  50  19.8  13.1   9.2   866   1.4     40.0   2.0   -4.0   50                         *       .             *
  55  19.8  13.0   8.9   841   1.4     36.0   2.7  -14.0   55                         *       .             *
  60  19.8  12.8   8.8   839   1.5     32.0   3.5  -10.0   60                         *       .             *
  65  19.8  12.6   8.6   832   1.5     30.0   4.1   -6.0   65                        *       .              *
  70  19.7  12.4   8.4   828   1.6     34.0   4.2  -14.0   70                        *       .             *
  75  19.7  12 2   8.2   819   1.6     30.0   4.8   -6.0   75                       *       .              *
  80  19.7  12.0   7.9   802   1.7     24.0   4.9  -66.0   80                       *       .              *
  85  19.7  11.7   7.8   796   1.7     90.0   5.2  -96.0   85                       *      .               *
  90  19.7  11.5   7.6   791   1.7    102.0   5.1  -12.0   90                      *       .               *
  95  19.7  11.2   7.5   770   1.6     38.0   5.0  -44.0   95                      *      .                *
 100  19.7  11.0   7.4   770   1.6     24.0   4.9  -12.0  100                      *      .                *
 125  14.4  10.0   7.2   629   1.2     17.6   4.0   -2.0  125                     *     .        *
 150  13.0   9.3   6.9   328   0.7      8.4   2.4   -0.4  150                     *    .      *
 175  11.3   8.8   6.7   275   0.5      9.2   1.9   -2.8  175                    *    .    *
 200  10.1   8.5   6.1   209   0.5      5.2   1.5   -0.4  200                   *    .  *
 225   9.6   8.2   7.0   170   0.4      2.8   1.3    0.0  225                     * .  *
 250   9.4   7.9   6.8   120   0.5      2.8   1.4    0.0  250                     * .  *
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                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 26   MONTH 4
                                                               MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
                                                                                        1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3
DEPTH                                     GRADIENT             -2-1 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
METERS MAX   AVG   MIN   NUM  SDEV      MAX   AVG    MIN       ....................................................................
   0  16.9  13.6   8.8  1105   1.3      0.0   0.0    0.0    0                         *        .      *
   5  16.9  13.6   8.8  1105   1.3     30.0   0.8   -6.0    5                         *        .      *
  10  16.9  13.5   8.8  1104   1.3     18.0   1.0  -12.0   10                         *        .      *
  15  16.9  13.5   8.7  1104   1.3     24.0   1.1  -16.0   15                        *         .      *
  20  16.9  13.4   8.5  1104   1.4     30.0   1.2   -8.0   20                        *         .      *
  25  17.0  13.4   8.4  1104   1.4     32.0   1.1  -14.0   25                        *         .      *
  30  17.0  13.3   8.4  1104   1.4     30.0   1.4   -8.0   30                        *         .      *
  35  17.0  13.2   8.4  1103   1.4     50.0   1.4   -6.0   35                        *        .       *
  40  17.0  13.1   8.3  1102   1.4     38.0   1.8  -54.0   40                        *        .       *
  45  17.0  13.0   8.3  1100   1.5     30.0   2.2   -4.0   45                        *        .       *
  50  16.9  12.9   8.2  1095   1.5     24.0   2.2  -14.0   50                       *         .       *
  55  16.9  12.8   8.1  1088   1.5     24.0   2.7  -12.0   55                       *         .       *
  60  16.9  12.6   7.9  1081   1.6     40.0   3.3  -30.0   60                       *        .        *
  65  16.9  12.4   7.9  1062   1.6     34.0   4.0   -8.0   65                       *        .        *
  70  16.9  12.2   7.9  1058   1.6     34.0   4.9   -8.0   70                       *       .         *
  75  16.9  11.9   7.8  1043   1.6     38.0   5.1  -14.0   75                       *       .         *
  80  16.9  11.7   7.3  1033   1.5     34.0   5.2  -12.0   80                      *       .          *
  85  17.0  11.4   5.1  1025   1.5    106.0   5.7   -6.0   85                 *            .          *
  90  17.0  11.1   6.6  1006   1.5     34.0   5.1  -92.0   90                    *        .           *
  95  17.0  10.9   6.2   963   1.4     32.0   5.0   -6.0   95                   *         .           *
 100  17.0  10.6   6.0   963   1.4     34.0   4.6  -16.0  100                   *        .            *
 125  15.4   9.8   5.2   692   1.0     16.0   3.8   -2.4  125                 *         .          *
 150  12.3   9.3   4.9   313   0.7      9.2   2.8   -0.4  150                 *        .     *
 175  10.6   8.8   4.9   286   0.6      8.0   2.0    0.0  175                 *       .  *
 200  14.2   8.4   4.9   255   0.6      4.4   1.5  -19.6  200                 *      .          *
 225  13.8   8.1   6.6   208   0.6      3.2   1.3    0.0  225                    *  .           *
 250   9.7   7.9   6.5   100   0.5      3.2   1.4    0.4  250                    *  .  *
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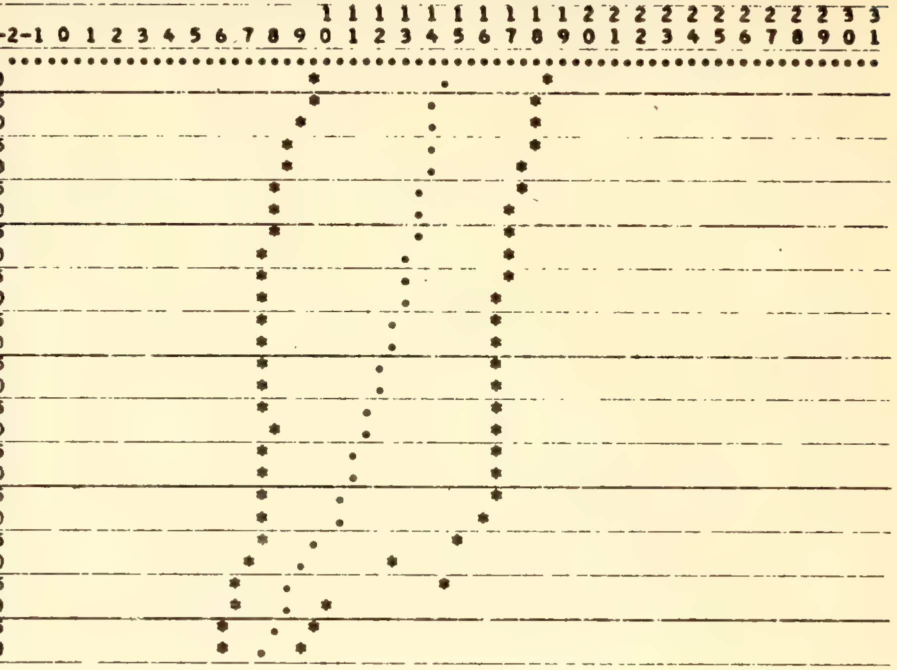
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 26 MONTH 5

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	18.4	14.3	9.4	1157	1.3	0.0	0.0	0.0	0
5	18.1	14.2	9.3	1157	1.3	34.0	1.5	-6.0	5
10	17.9	14.1	9.2	1157	1.4	34.0	2.1	-2.0	10
15	17.9	14.0	8.4	1156	1.4	36.0	2.7	-16.0	15
20	17.7	13.9	8.3	1154	1.4	32.0	2.8	-4.0	20
25	17.4	13.7	8.2	1150	1.5	42.0	2.6	-8.0	25
30	16.9	13.6	8.1	1150	1.5	50.0	2.9	-6.0	30
35	17.2	13.4	7.8	1143	1.5	40.0	3.4	-8.0	35
40	17.2	13.2	7.7	1139	1.6	62.0	3.7	-12.0	40
45	16.9	13.0	7.7	1137	1.6	36.0	4.2	-4.0	45
50	16.7	12.8	7.7	1132	1.7	48.0	4.6	-8.0	50
55	16.7	12.6	7.7	1105	1.7	44.0	4.9	-24.0	55
60	16.7	12.4	7.7	1100	1.7	32.0	4.8	-6.0	60
65	16.6	12.1	7.7	1096	1.7	40.0	5.0	-8.0	65
70	16.6	11.9	7.7	1094	1.7	44.0	5.0	-16.0	70
75	16.5	11.6	7.7	1081	1.7	58.0	5.2	-8.0	75
80	16.4	11.4	7.8	1075	1.7	48.0	5.0	-12.0	80
85	16.4	11.1	7.7	1067	1.6	34.0	5.0	-38.0	85
90	16.3	10.9	7.6	1047	1.5	22.0	4.7	-14.0	90
95	16.3	10.7	7.6	1008	1.5	28.0	4.5	-8.0	95
100	16.2	10.5	7.5	1008	1.4	24.0	4.3	-40.9	100
125	15.0	9.6	7.3	807	1.1	14.4	3.7	-14.0	125
150	12.7	8.9	7.0	477	0.8	9.2	2.3	-1.2	150
175	14.3	8.6	6.7	411	0.7	10.4	1.7	-21.6	175
200	9.9	8.3	6.3	292	0.6	4.4	1.4	-2.0	200
225	9.5	8.0	6.2	235	0.5	3.2	1.3	-1.2	225
250	9.2	7.7	6.0	188	0.5	3.2	1.2	-0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 26 MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	19.7	15.1	9.6	1407	1.4	0.0	0.0	0.0	0
5	19.7	15.0	9.6	1407	1.4	28.0	1.1	-6.0	5
10	19.2	14.9	8.6	1407	1.5	40.0	1.7	-28.0	10
15	19.2	14.8	6.8	1406	1.5	102.0	2.5	-6.0	15
20	19.2	14.7	6.2	1401	1.6	62.0	2.7	-52.0	20
25	19.1	14.5	5.8	1400	1.6	60.0	3.1	-48.0	25
30	18.7	14.3	5.6	1398	1.7	62.0	3.8	-26.0	30
35	18.4	14.1	8.5	1388	1.8	60.0	4.6	-16.0	35
40	18.4	13.9	8.2	1386	1.8	50.0	4.9	-28.0	40
45	17.8	13.6	7.9	1383	1.9	60.0	5.8	-14.0	45
50	17.7	13.3	7.8	1378	2.0	40.0	5.7	-8.0	50
55	17.6	13.0	7.7	1371	2.0	46.0	6.3	-10.0	55
60	17.6	12.7	7.7	1367	2.0	44.0	5.9	-12.0	60
65	17.6	12.4	7.5	1359	2.0	54.0	5.7	-12.0	65
70	17.5	12.2	7.4	1354	1.9	34.0	5.5	-26.0	70
75	17.4	11.9	7.3	1344	1.9	58.0	5.3	-12.0	75
80	17.3	11.7	7.3	1341	1.9	38.0	4.9	-16.0	80
85	17.4	11.4	7.2	1330	1.9	32.0	4.8	-44.0	85
90	17.3	11.2	7.1	1313	1.8	24.0	4.4	-10.0	90
95	17.3	11.0	7.1	1276	1.8	24.0	4.4	-106.0	95
100	17.0	10.8	7.0	1276	1.7	110.0	4.3	-12.0	100
125	16.0	9.9	6.7	1007	1.4	16.4	3.9	-3.6	125
150	13.1	9.1	6.0	547	0.9	11.2	2.6	-0.4	150
175	11.3	8.6	6.5	479	0.6	8.4	1.9	-0.8	175
200	9.7	8.2	6.2	375	0.5	6.4	1.5	-0.4	200
225	9.2	7.9	6.3	302	0.5	4.0	1.5	-1.2	225
250	9.0	7.5	6.3	205	0.4	2.8	1.3	-0.4	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

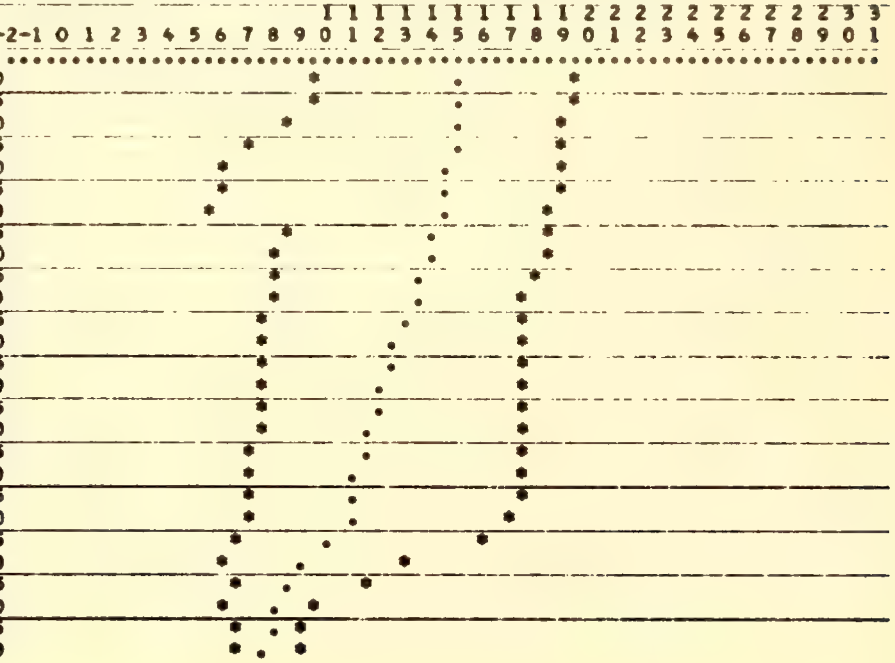


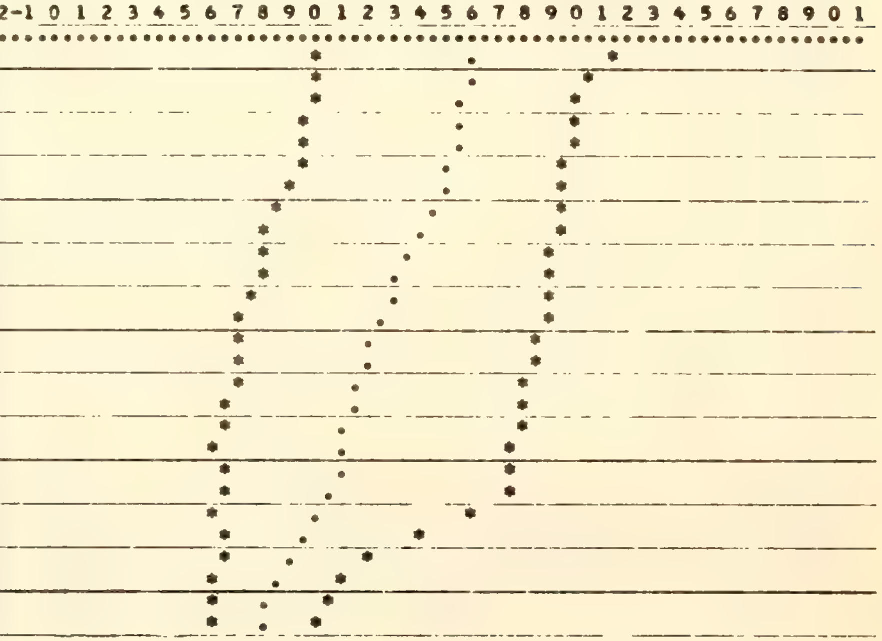
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 26 MONTH 7

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	21.7	15.9	10.2	985	1.6	0.0	0.0	0.0	0
5	20.4	15.9	10.2	985	1.6	38.0	1.6	-4.0	5
10	20.0	15.7	10.1	985	1.6	58.0	2.3	-6.0	10
15	20.0	15.6	9.7	985	1.7	60.0	3.2	-10.0	15
20	20.0	15.4	9.4	983	1.8	86.0	4.2	-8.0	20
25	19.7	15.1	9.3	979	1.9	60.0	5.3	-2.0	25
30	19.4	14.8	8.9	976	2.1	50.0	6.6	-16.0	30
35	19.4	14.4	8.7	975	2.2	60.0	7.5	-16.0	35
40	19.4	14.0	8.2	971	2.3	70.0	8.3	-10.0	40
45	19.2	13.6	7.9	970	2.3	68.0	8.5	-10.0	45
50	19.1	13.1	7.8	962	2.3	42.0	8.2	-12.0	50
55	19.0	12.8	7.3	916	2.2	46.0	8.0	-10.0	55
60	18.9	12.4	7.2	913	2.2	58.0	6.8	-18.0	60
65	18.6	12.2	7.2	898	2.2	32.0	6.1	-32.0	65
70	18.4	11.9	7.2	890	2.1	38.0	5.3	-12.0	70
75	18.1	11.7	7.0	869	2.1	34.0	5.2	-6.0	75
80	18.2	11.4	6.6	859	2.1	36.0	4.7	-8.0	80
85	18.1	11.2	6.3	849	2.0	46.0	4.7	-14.0	85
90	17.7	11.0	6.2	835	2.0	28.0	4.3	-8.0	90
95	17.7	10.8	6.6	796	1.9	30.0	4.0	-30.0	95
100	17.3	10.6	6.5	796	1.9	38.0	4.1	-20.0	100
125	16.1	9.9	6.0	491	1.7	12.8	3.7	-2.8	125
150	13.9	9.6	6.6	230	1.4	11.6	3.4	-1.2	150
175	12.2	9.0	6.4	222	1.0	10.4	2.5	0.0	175
200	11.1	8.6	6.2	169	0.9	4.8	1.6	-0.4	200
225	10.5	8.2	6.2	158	0.8	3.6	1.4	-1.2	225
250	10.0	7.8	6.1	104	0.7	3.2	1.3	0.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 26 MONTH 8

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	20.3	16.9	10.2	771	1.5	0.0	0.0	0.0	0
5	20.3	16.8	10.2	771	1.5	34.0	0.8	-6.0	5
10	20.3	16.7	10.2	770	1.5	42.0	1.3	-2.0	10
15	20.3	16.6	10.2	768	1.6	92.0	2.2	-4.0	15
20	20.3	16.5	9.9	766	1.7	82.0	2.9	-10.0	20
25	20.2	16.3	9.6	764	1.8	66.0	4.1	-14.0	25
30	19.8	15.9	9.4	763	1.9	54.0	6.8	-14.0	30
35	19.7	15.5	9.3	761	2.1	72.0	9.5	-16.0	35
40	19.6	14.9	8.8	755	2.3	76.0	11.2	-12.0	40
45	19.6	14.3	8.4	751	2.4	76.0	12.3	-12.0	45
50	19.7	13.7	7.9	748	2.4	66.0	11.2	-40.0	50
55	19.1	13.2	7.8	715	2.3	58.0	10.2	-12.0	55
60	18.9	12.8	7.5	705	2.3	46.0	8.3	-68.0	60
65	18.7	12.5	6.8	693	2.2	34.0	7.3	-20.0	65
70	18.5	12.2	6.7	691	2.2	38.0	6.4	-8.0	70
75	18.4	11.9	6.6	685	2.2	40.0	5.5	-8.0	75
80	18.4	11.6	6.3	666	2.2	76.0	4.9	-22.0	80
85	18.3	11.4	6.2	663	2.1	28.0	4.7	-22.0	85
90	19.8	11.2	6.2	648	2.1	32.0	4.1	-110.0	90
95	17.8	11.0	7.3	607	2.1	22.0	3.9	-14.0	95
100	17.7	10.7	7.2	607	2.0	24.0	4.3	-10.0	100
125	19.4	9.9	6.2	445	1.8	15.2	3.6	-7.2	125
150	14.9	9.1	6.6	237	1.3	28.8	2.6	-0.4	150
175	12.2	8.6	6.2	215	1.0	11.6	2.0	-0.8	175
200	10.8	8.1	6.0	156	1.0	6.4	1.6	-1.2	200
225	10.1	7.7	5.6	126	1.0	3.2	1.2	-8.4	225
250	9.6	7.5	6.2	61	0.8	3.6	1.5	0.0	250
275	7.4	7.4	7.4	1	0.0	1.6	1.6	1.6	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

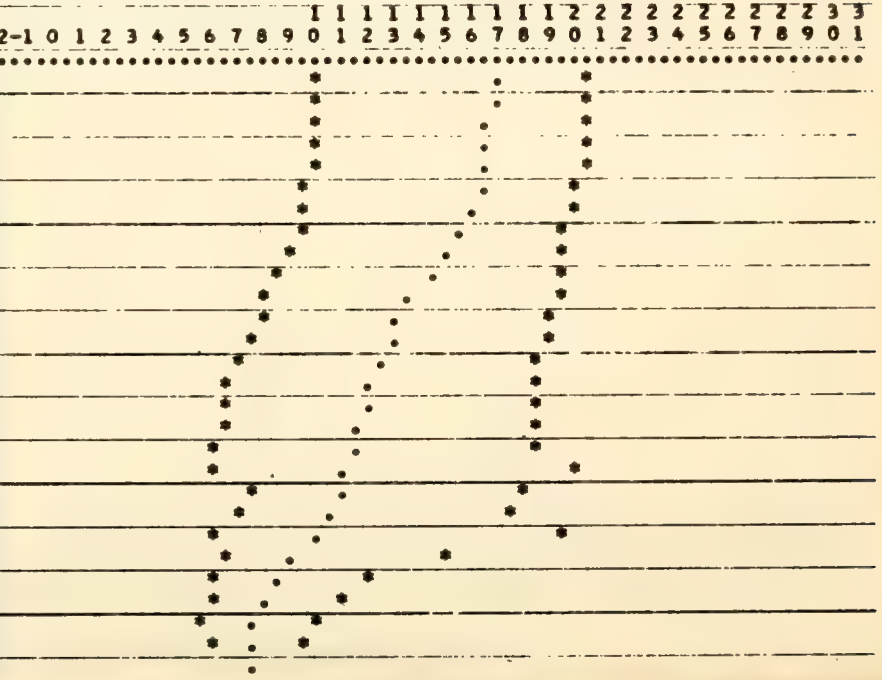
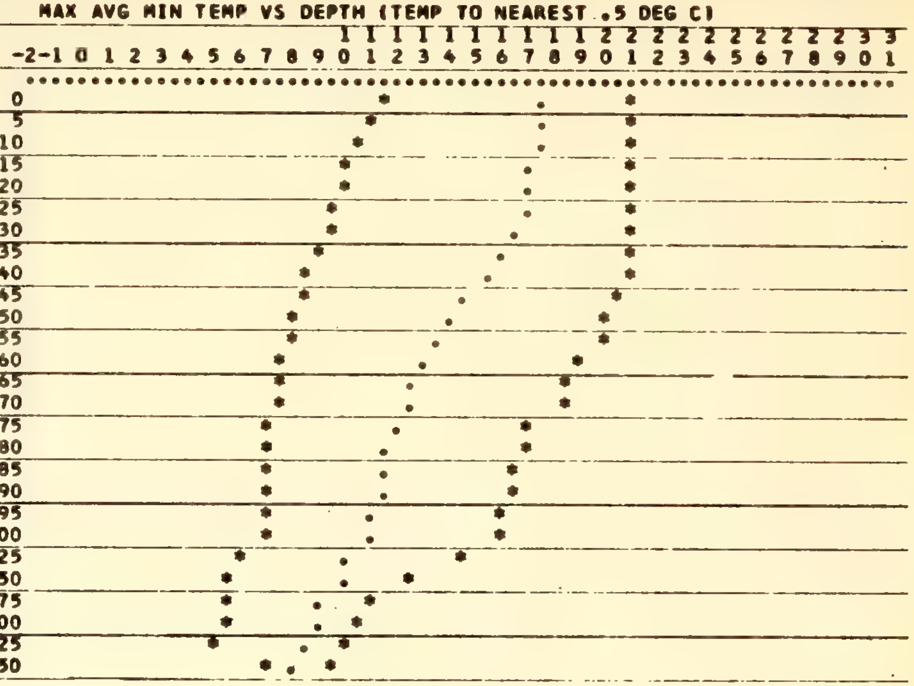


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 26 MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.2	17.4	11.4	884	1.5	0.0	0.0	0.0	0
5	21.2	17.4	11.0	884	1.5	32.0	1.1	-30.0	5
10	21.2	17.3	10.4	884	1.5	28.0	1.6	-6.0	10
15	21.1	17.2	10.2	882	1.6	62.0	2.2	-4.0	15
20	21.1	17.1	9.9	880	1.7	54.0	3.1	-6.0	20
25	21.1	16.8	9.7	877	1.8	100.0	4.7	-12.0	25
30	21.1	16.4	9.6	871	2.0	70.0	7.8	-6.0	30
35	21.0	15.9	9.2	864	2.2	122.0	10.6	-10.0	35
40	20.8	15.3	8.7	853	2.4	60.0	11.8	-110.0	40
45	20.6	14.7	8.4	846	2.5	64.0	12.1	-38.0	45
50	20.2	14.2	8.0	840	2.5	134.0	11.5	-10.0	50
55	19.8	13.7	7.8	825	2.5	52.0	10.6	-40.0	55
60	19.0	13.2	7.7	819	2.4	44.0	9.9	-8.0	60
65	18.6	12.7	7.5	809	2.2	44.0	9.5	-18.0	65
70	18.7	12.3	7.3	805	2.1	34.0	7.6	-98.0	70
75	17.2	12.0	6.8	794	2.1	124.0	6.6	-14.0	75
80	17.1	11.7	6.8	783	2.0	26.0	5.4	-10.0	80
85	16.7	11.5	6.8	774	2.0	34.0	5.0	-10.0	85
90	16.5	11.3	6.8	759	2.0	24.0	4.4	-16.0	90
95	16.2	11.1	6.8	718	2.0	22.0	3.9	-8.0	95
100	16.1	10.9	6.8	718	2.0	46.0	4.1	-8.0	100
125	14.7	10.2	5.8	540	1.8	11.2	3.5	-8.4	125
150	12.7	9.8	5.5	334	1.4	10.8	3.4	-0.4	150
175	11.2	9.2	5.5	296	1.1	12.4	2.5	0.0	175
200	10.5	8.9	5.5	218	1.0	4.0	1.9	0.0	200
225	10.2	8.7	5.1	144	1.0	20.0	1.5	-0.4	225
250	9.7	8.2	6.8	68	0.9	2.4	1.4	0.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 26 MONTH 10

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.7	17.1	10.6	1082	1.3	0.0	0.0	0.0	0
5	21.7	17.0	10.6	1082	1.3	30.0	1.1	-6.0	5
10	21.6	17.0	10.6	1082	1.3	30.0	1.2	-4.0	10
15	21.4	16.9	10.6	1082	1.4	102.0	1.8	-8.0	15
20	21.3	16.8	10.4	1080	1.4	60.0	2.4	-54.0	20
25	21.3	16.5	10.4	1078	1.6	80.0	6.1	-42.0	25
30	21.1	15.9	9.3	1076	2.0	102.0	11.5	-6.0	30
35	21.1	15.2	9.0	1069	2.4	84.0	14.4	-64.0	35
40	20.7	14.5	8.5	1067	2.6	90.0	13.4	-12.0	40
45	20.3	13.8	8.2	1060	2.6	70.0	13.5	-14.0	45
50	20.3	13.2	8.3	1045	2.5	70.0	11.8	-12.0	50
55	20.3	12.7	8.0	1021	2.4	66.0	10.3	-14.0	55
60	20.0	12.3	8.2	1020	2.2	100.0	8.3	-46.0	60
65	18.9	11.9	8.2	1006	2.1	50.0	7.4	-26.0	65
70	18.2	11.6	7.9	1000	1.9	64.0	6.5	-28.0	70
75	17.9	11.3	7.8	986	1.8	32.0	5.5	-38.0	75
80	17.5	11.0	7.8	961	1.7	48.0	4.6	-8.0	80
85	17.5	10.8	7.6	952	1.6	30.0	4.6	-8.0	85
90	17.5	10.5	7.6	922	1.5	22.0	3.8	-16.0	90
95	17.5	10.2	7.4	862	1.4	24.0	3.5	-44.0	95
100	17.3	10.1	7.3	862	1.3	48.0	3.5	-6.0	100
125	14.7	9.3	3.5	697	0.8	26.4	2.7	-1.6	125
150	11.8	9.0	7.1	305	0.6	9.2	1.8	0.0	150
175	10.5	8.6	6.9	237	0.4	6.8	1.2	-0.8	175
200	9.9	8.4	6.8	153	0.4	2.8	1.0	-0.4	200
225	9.7	8.2	6.9	69	0.5	2.8	1.1	-0.8	225
250	9.7	7.9	6.6	58	0.6	2.4	1.1	-0.4	250

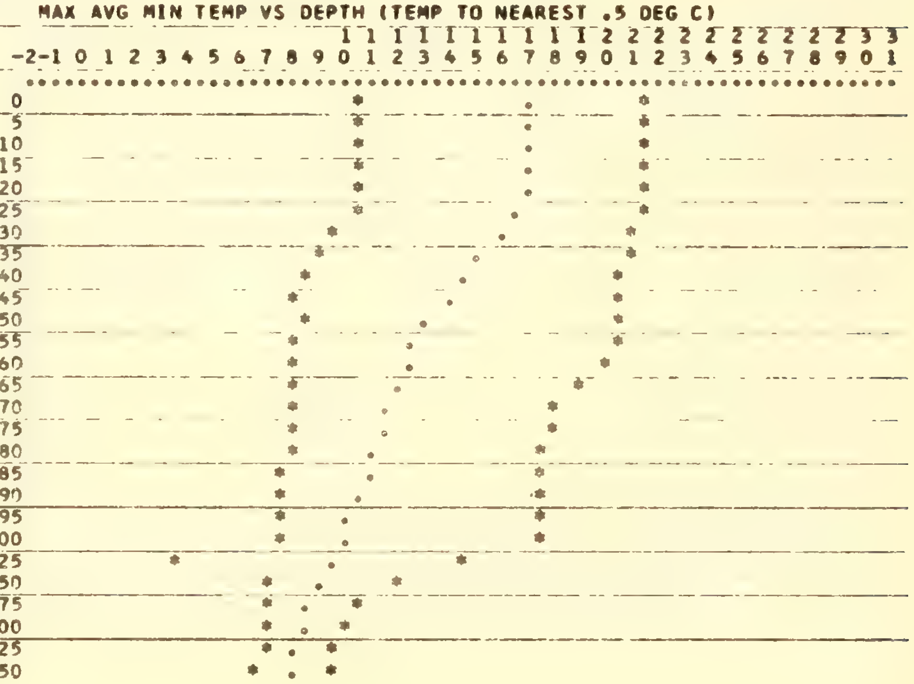
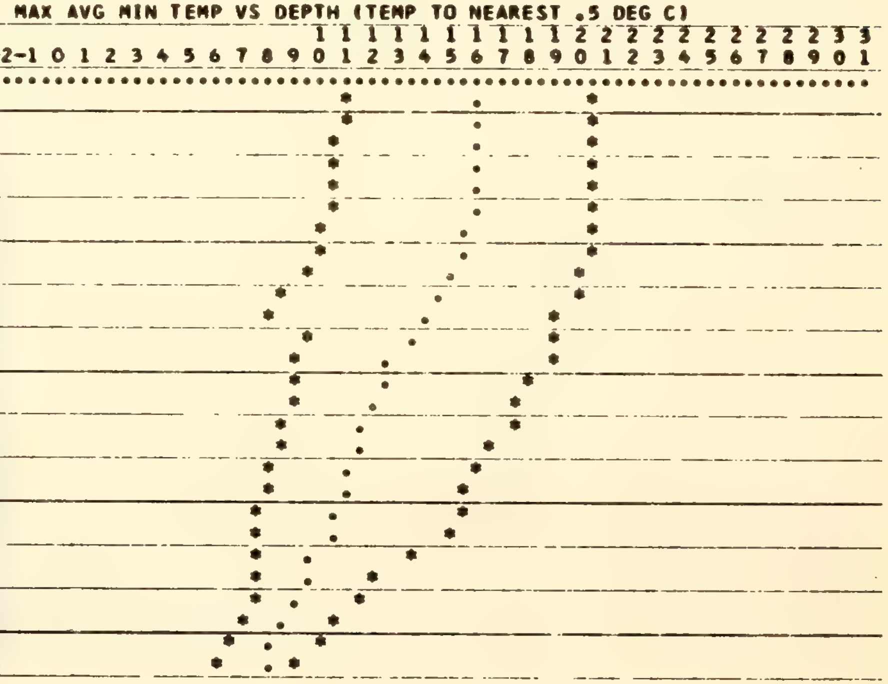


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 26 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	20.4	16.2	10.9	528	1.6	0.0	0.0	0.0	0
5	20.4	16.2	10.9	528	1.6	18.0	0.6	-6.0	5
10	20.4	16.1	10.7	528	1.7	16.0	1.0	-2.0	10
15	20.4	16.1	10.6	527	1.7	26.0	1.4	-4.0	15
20	20.4	16.0	10.6	526	1.7	36.0	1.8	-4.0	20
25	20.4	15.9	10.5	523	1.7	48.0	2.3	-4.0	25
30	20.4	15.7	10.2	523	1.8	38.0	3.5	-4.0	30
35	20.3	15.4	10.1	521	1.9	58.0	5.7	-2.0	35
40	20.2	15.0	9.3	518	2.1	52.0	7.6	-104.0	40
45	19.9	14.5	8.7	517	2.2	94.0	10.5	-14.0	45
50	18.9	13.9	8.2	515	2.3	66.0	12.6	-6.0	50
55	18.9	13.3	9.3	511	2.3	70.0	12.6	-4.0	55
60	18.9	12.7	9.0	509	2.2	64.0	10.7	-6.0	60
65	18.2	12.4	8.9	475	2.1	56.0	10.3	-14.0	65
70	17.4	11.9	8.8	472	1.9	46.0	8.6	-12.0	70
75	17.3	11.6	8.6	470	1.8	34.0	7.3	-4.0	75
80	16.6	11.3	8.3	465	1.7	38.0	5.9	-12.0	80
85	16.1	11.0	8.0	460	1.6	44.0	5.5	-8.0	85
90	15.6	10.8	7.9	452	1.5	30.0	4.8	-8.0	90
95	15.3	10.6	7.7	437	1.4	24.0	4.3	-10.0	95
100	14.9	10.4	7.7	437	1.4	20.0	3.9	-8.0	100
125	13.6	9.7	7.6	308	1.1	12.0	3.2	-2.0	125
150	12.1	9.4	7.3	152	0.9	8.8	2.3	-0.8	150
175	11.3	9.0	7.4	114	0.8	7.6	1.8	0.0	175
200	10.3	8.3	7.1	73	0.5	3.2	1.3	-0.4	200
225	10.1	8.1	6.7	49	0.6	2.8	1.2	0.0	225
250	9.1	7.8	6.2	27	0.6	2.0	1.0	0.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 26 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	21.1	15.4	10.6	540	1.3	0.0	0.0	0.0	0
5	20.9	15.4	10.7	540	1.3	8.0	0.2	-6.0	5
10	20.4	15.4	10.9	540	1.3	10.0	0.2	-6.0	10
15	19.3	15.4	11.1	540	1.3	28.0	0.4	-4.0	15
20	19.1	15.3	11.0	539	1.3	30.0	0.7	-6.0	20
25	19.1	15.3	11.4	538	1.3	22.0	0.9	-8.0	25
30	19.1	15.2	10.6	536	1.4	72.0	1.5	-4.0	30
35	19.1	15.1	10.7	533	1.4	36.0	2.2	-54.0	35
40	19.1	15.0	10.2	530	1.5	58.0	3.8	-2.0	40
45	18.7	14.7	10.1	529	1.6	46.0	4.8	-8.0	45
50	18.5	14.4	9.8	523	1.8	64.0	7.3	-10.0	50
55	18.5	13.9	9.5	509	2.0	80.0	9.1	-2.0	55
60	18.5	13.5	9.1	508	2.1	64.0	10.0	-4.0	60
65	18.5	13.0	8.9	503	2.2	60.0	9.9	-2.0	65
70	18.6	12.6	8.8	500	2.2	38.0	8.2	-10.0	70
75	18.6	12.2	8.7	489	2.1	34.0	7.2	-10.0	75
80	18.6	11.9	8.6	484	2.1	38.0	6.1	-4.0	80
85	18.5	11.6	8.6	478	2.0	34.0	5.7	-12.0	85
90	18.5	11.3	8.4	462	2.0	28.0	5.1	-14.0	90
95	18.4	11.1	8.3	444	1.9	30.0	4.5	-4.0	95
100	18.4	10.9	8.2	444	1.8	24.0	4.3	-8.0	100
125	16.7	10.1	7.6	353	1.6	11.6	3.3	-1.6	125
150	15.5	9.9	7.8	203	1.5	8.8	2.7	-0.4	150
175	13.4	9.2	7.3	162	1.0	8.4	2.2	-1.2	175
200	10.3	8.4	7.3	89	0.6	4.4	1.5	-1.2	200
225	10.0	8.1	7.0	60	0.7	3.6	1.4	-0.8	225
250	9.7	7.9	6.5	43	0.8	4.8	1.4	0.0	250

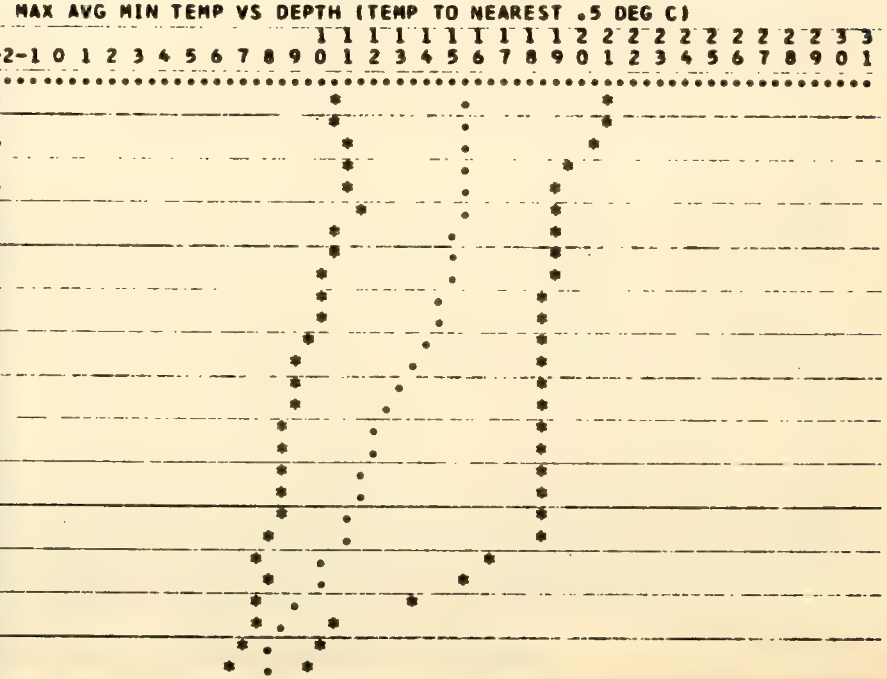


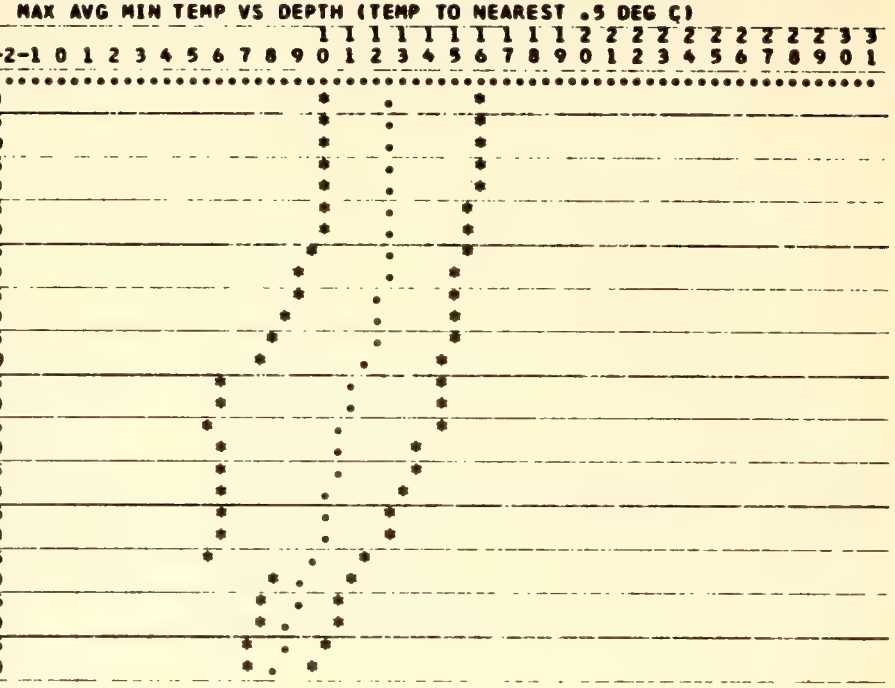
Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 27 MONTH 1

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	15.8	12.6	10.2	457	1.0	0.0	0.0	0.0	0
5	15.8	12.6	10.2	457	1.0	10.0	0.3	-16.0	5
10	15.8	12.6	10.2	457	1.0	8.0	0.2	-12.0	10
15	15.8	12.6	10.2	456	1.0	18.0	0.2	-14.0	15
20	15.8	12.6	10.2	442	1.0	14.0	0.6	-6.0	20
25	15.5	12.5	10.2	436	1.0	20.0	0.7	-20.0	25
30	15.4	12.5	9.8	432	1.0	24.0	1.1	-4.0	30
35	15.3	12.5	9.7	413	1.0	24.0	1.5	-6.0	35
40	15.1	12.4	9.2	410	1.0	24.0	2.1	-2.0	40
45	14.9	12.2	8.8	407	1.0	34.0	2.9	-2.0	45
50	14.8	12.0	8.3	390	1.0	28.0	4.2	-2.0	50
55	14.8	11.8	8.1	339	1.1	32.0	5.3	-4.0	55
60	14.7	11.5	7.4	337	1.1	46.0	6.7	-20.0	60
65	14.7	11.2	6.2	326	1.1	36.0	6.1	-8.0	65
70	14.7	10.9	6.1	325	1.1	22.0	5.0	-8.0	70
75	14.4	10.7	5.6	321	1.1	64.0	4.9	-8.0	75
80	13.6	10.5	6.1	313	1.0	38.0	3.9	-12.0	80
85	13.3	10.3	6.1	310	1.0	20.0	3.4	-42.0	85
90	12.8	10.1	6.1	299	1.0	16.0	3.1	-2.0	90
95	12.6	10.0	6.1	288	0.9	12.0	2.4	-2.0	95
100	12.5	9.9	6.0	288	0.9	12.0	2.4	-4.0	100
125	11.7	9.4	5.4	242	0.8	7.2	2.0	-0.8	125
150	11.2	9.2	7.9	63	0.7	5.2	1.5	0.0	150
175	10.7	8.9	7.7	46	0.7	3.2	1.4	0.4	175
200	10.4	8.6	7.5	41	0.7	2.4	1.2	-0.4	200
225	10.1	8.4	7.2	34	0.7	2.4	1.1	0.0	225
250	9.7	8.1	6.9	22	0.7	2.8	1.3	0.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 27 MONTH 2

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	15.3	12.4	9.6	307	0.9	0.0	0.0	0.0	0
5	15.2	12.3	9.6	307	0.9	14.0	0.8	-8.0	5
10	15.2	12.3	9.6	307	0.9	8.0	0.6	-4.0	10
15	15.1	12.3	9.6	307	0.9	10.0	0.7	-6.0	15
20	15.1	12.3	9.6	295	0.9	12.0	0.9	-4.0	20
25	15.1	12.2	9.6	294	1.0	14.0	1.0	-4.0	25
30	15.1	12.2	9.6	292	1.0	10.0	1.3	-2.0	30
35	15.0	12.1	9.6	283	1.0	16.0	1.5	-2.0	35
40	14.8	12.0	9.4	280	1.0	22.0	2.0	-4.0	40
45	14.7	11.9	9.3	279	1.0	22.0	2.2	-4.0	45
50	14.7	11.8	9.3	265	1.0	24.0	2.4	-16.0	50
55	14.2	11.9	9.2	219	1.0	32.0	3.2	-2.0	55
60	14.0	11.7	8.9	219	1.0	18.0	4.1	-2.0	60
65	13.6	11.4	8.7	215	1.0	28.0	4.9	0.0	65
70	13.4	11.2	8.5	214	1.0	28.0	5.2	-6.0	70
75	13.3	10.9	8.4	212	1.0	24.0	4.8	-2.0	75
80	13.1	10.7	8.3	206	0.9	24.0	4.3	-2.0	80
85	12.9	10.5	8.2	205	0.9	20.0	4.7	-2.0	85
90	12.8	10.3	8.1	201	0.8	20.0	3.9	-4.0	90
95	12.6	10.2	8.1	189	0.8	12.0	3.1	-2.0	95
100	12.5	10.0	7.9	189	0.8	18.0	3.2	0.0	100
125	10.9	9.3	7.7	147	0.5	9.2	2.5	0.0	125
150	10.5	9.0	8.2	90	0.4	4.0	1.5	0.0	150
175	10.1	8.7	7.8	82	0.4	2.4	1.2	-1.2	175
200	9.9	8.4	7.5	79	0.5	2.4	1.1	0.0	200
225	9.9	8.1	7.1	71	0.5	2.4	1.0	0.0	225
250	9.9	8.0	7.0	50	0.6	2.4	1.0	0.0	250
275	8.1	8.0	8.0	2	0.0	1.2	1.0	0.8	275

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

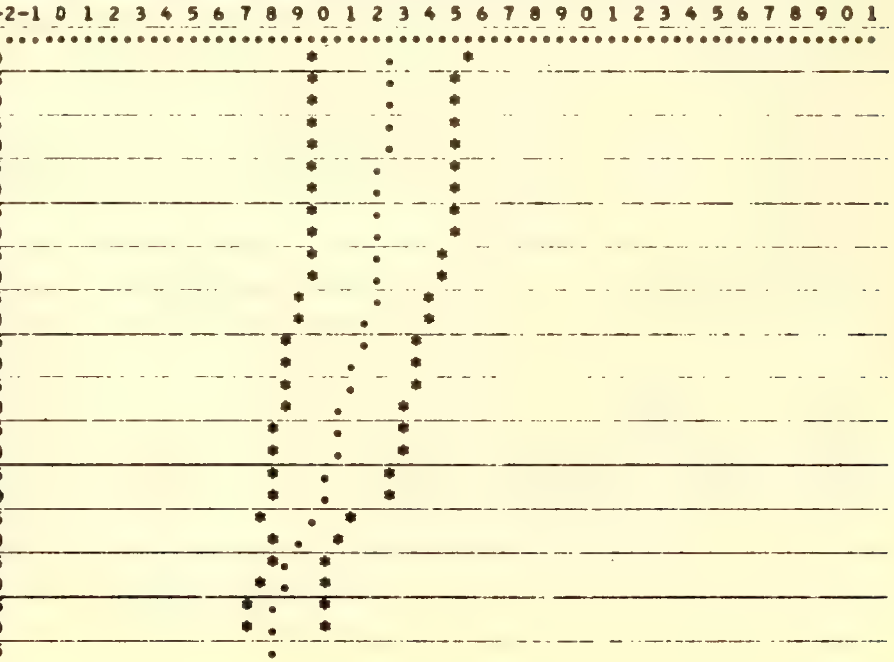
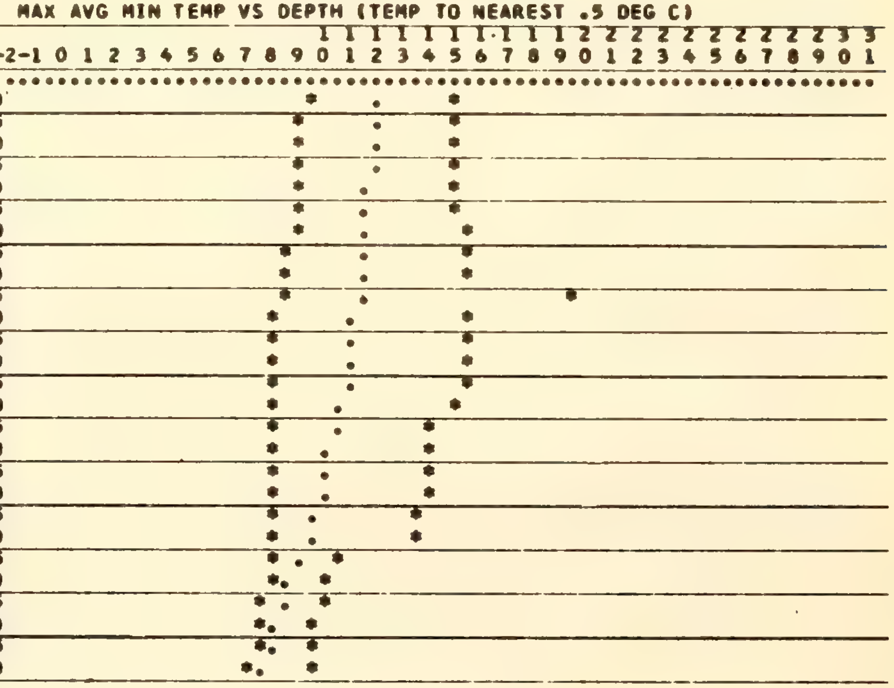


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 27 MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	15.2	12.0	9.4	341.	1.0	0.0	0.0	0.0	0
5	15.2	11.9	9.2	341	1.0	50.0	1.7	-12.0	5
10	15.2	11.8	9.0	341	1.0	24.0	1.5	-10.0	10
15	15.2	11.8	9.0	341	1.1	16.0	1.7	-4.0	15
20	15.2	11.7	9.1	331	1.1	22.0	1.8	-6.0	20
25	15.2	11.6	9.1	328	1.1	12.0	1.4	-2.0	25
30	15.3	11.5	8.9	326	1.1	12.0	1.6	-4.0	30
35	15.3	11.5	8.7	320	1.2	12.0	1.5	-2.0	35
40	15.3	11.4	8.4	316	1.2	26.0	2.1	-2.0	40
45	19.4	11.3	8.3	316	1.3	18.0	1.6	-190.0	45
50	15.4	11.1	8.2	308	1.2	200.0	2.8	-4.0	50
55	15.4	11.2	8.1	275	1.2	22.0	3.0	-2.0	55
60	15.4	11.0	8.2	273	1.2	36.0	3.6	-2.0	60
65	15.4	10.8	8.1	263	1.2	20.0	3.9	-8.0	65
70	15.2	10.6	8.1	261	1.1	20.0	4.3	-2.0	70
75	13.9	10.4	8.1	256	1.0	46.0	4.7	-2.0	75
80	13.9	10.2	8.2	244	0.9	26.0	4.0	-4.0	80
85	14.1	10.0	8.2	239	0.9	30.0	4.4	-4.0	85
90	13.8	9.8	8.0	233	0.8	22.0	3.3	-4.0	90
95	13.6	9.7	7.9	227	0.8	22.0	3.0	-4.0	95
100	13.4	9.5	7.8	227	0.7	12.0	2.7	-4.0	100
125	10.7	9.0	7.8	153	0.5	6.0	2.0	-0.4	125
150	10.1	8.6	8.1	102	0.3	2.4	1.2	0.0	150
175	10.0	8.3	7.7	86	0.3	2.8	1.2	0.0	175
200	9.7	8.0	7.3	79	0.3	3.2	1.1	0.0	200
225	9.6	7.8	7.3	78	0.3	2.0	1.0	0.0	225
250	9.5	7.6	7.1	55	0.4	2.0	0.9	-0.4	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 27 MONTH 4

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	15.6	11.8	9.0	517	1.1	0.0	0.0	0.0	0
5	15.5	11.7	9.0	517	1.1	28.0	2.0	-6.0	5
10	15.5	11.6	8.9	517	1.1	58.0	2.5	-4.0	10
15	15.5	11.5	8.9	516	1.1	46.0	2.7	-4.0	15
20	15.4	11.3	3.7	504	1.2	150.0	2.9	-2.0	20
25	15.4	11.2	8.9	495	1.2	26.0	2.1	-140.0	25
30	15.3	11.1	8.7	492	1.2	32.0	3.0	-2.0	30
35	15.1	10.9	8.3	480	1.2	26.0	2.8	-44.0	35
40	15.1	10.8	8.2	476	1.2	50.0	2.7	-20.0	40
45	14.9	10.7	2.5	472	1.3	202.0	3.3	-8.0	45
50	14.8	10.6	8.1	457	1.2	20.0	2.4	-200.0	50
55	14.7	10.5	8.3	412	1.2	22.0	3.3	-8.0	55
60	14.6	10.3	8.2	399	1.1	22.0	3.5	-4.0	60
65	14.3	10.2	8.3	387	1.0	22.0	3.5	-4.0	65
70	14.0	10.0	8.2	383	1.0	24.0	3.2	-6.0	70
75	13.3	9.8	8.1	373	0.9	26.0	3.2	-2.0	75
80	13.2	9.7	8.1	364	0.8	22.0	2.9	-6.0	80
85	13.0	9.6	8.1	359	0.8	18.0	2.8	-10.0	85
90	12.2	9.5	8.2	350	0.7	26.0	2.5	-2.0	90
95	12.2	9.4	8.1	328	0.7	22.0	2.0	-4.0	95
100	12.1	9.3	7.9	328	0.6	26.0	2.1	-4.0	100
125	11.6	8.9	7.8	260	0.5	6.4	1.5	-0.4	125
150	9.8	8.7	7.9	108	0.3	3.2	0.9	-2.0	150
175	9.6	8.4	7.7	90	0.4	3.6	1.0	-0.4	175
200	9.5	8.1	7.2	70	0.4	2.4	0.9	-1.2	200
225	9.3	7.9	7.0	59	0.5	2.4	0.9	-0.4	225
250	8.9	7.8	7.1	30	0.5	2.8	0.9	0.0	250

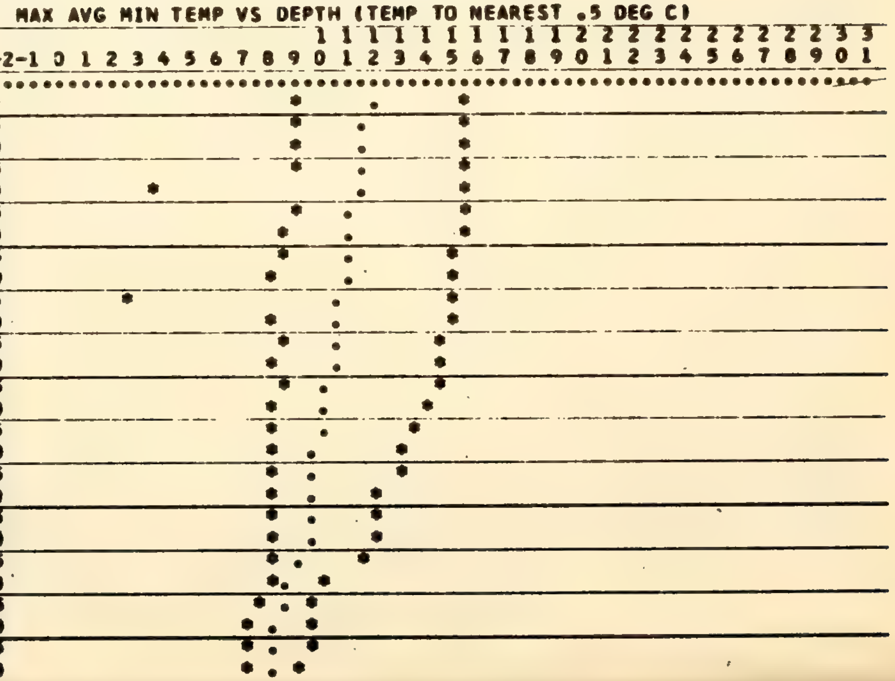


Table VI-1.—Continued

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                              NUDC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 27   MONTH  5
                                                                       MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
DEPTH                                            GRADIENT
METERS MAX    AVG    MIN    NUM   SDEV         MAX     AVG     MIN
     0 18.2   12.6   8.8    438    1.3          0.0     0.0     0.0    0
     5 18.2   12.4   8.8    438    1.3         58.0     4.2    -4.0    5
    10 18.2   12.1   8.8    438    1.4         50.0     4.9    -2.0   10
    15 18.2   11.9   8.8    437    1.4         36.0     5.2    -4.0   15
    20 18.1   11.7   8.4    427    1.4         32.0     4.6    -2.0   20
    25 17.2   11.4   8.4    426    1.4         30.0     4.8    -6.0   25
    30 16.3   11.2   8.6    424    1.3         48.0     4.5    -6.0   30
    35 15.9   11.0   8.6    411    1.3         38.0     4.6    -6.0   35
    40 15.7   10.8   8.6    409    1.2         38.0     4.7    -6.0   40
    45 15.7   10.6   8.3    408    1.2         50.0     4.3   -84.0   45
    50 15.4   10.5   8.2    386    1.1         86.0     4.2    -4.0   50
    55 15.0   10.4   8.1    348    1.1         22.0     4.4    -2.0   55
    60 13.9   10.2   8.0    344    1.0         30.0     3.9    -2.0   60
    65 13.5   10.0   7.9    341    0.9         20.0     3.7   -12.0   65
    70 13.2    9.9   7.4    340    0.9         20.0     3.2    -8.0   70
    75 12.8    9.7   7.7    337    0.8         16.0     3.2    -6.0   75
    80 12.5    9.6   7.6    334    0.8         18.0     2.7    -8.0   80
    85 11.9    9.4   7.4    329    0.7         16.0     2.9    -4.0   85
    90 11.7    9.3   7.3    321    0.7         20.0     2.7    -6.0   90
    95 11.5    9.2   7.3    300    0.6         14.0     2.3   -12.0   95
   100 11.3    9.1   7.1    300    0.6         20.0     2.3    -4.0  100
   125 12.7    8.7   7.4    224    0.5          6.0     1.6    -7.6  125
   150  9.9    8.3   7.2    152    0.4          4.0     1.2    -0.8  150
   175  9.5    8.1   6.8    123    0.5          2.4     1.0    -1.6  175
   200  9.2    8.0   6.5     86    0.5          2.8     1.1    -0.4  200
   225  9.1    7.8   6.1     77    0.5          2.4     0.9    -1.2  225
   250  8.9    7.6   5.5     55    0.6          2.8     0.7    -0.4  250
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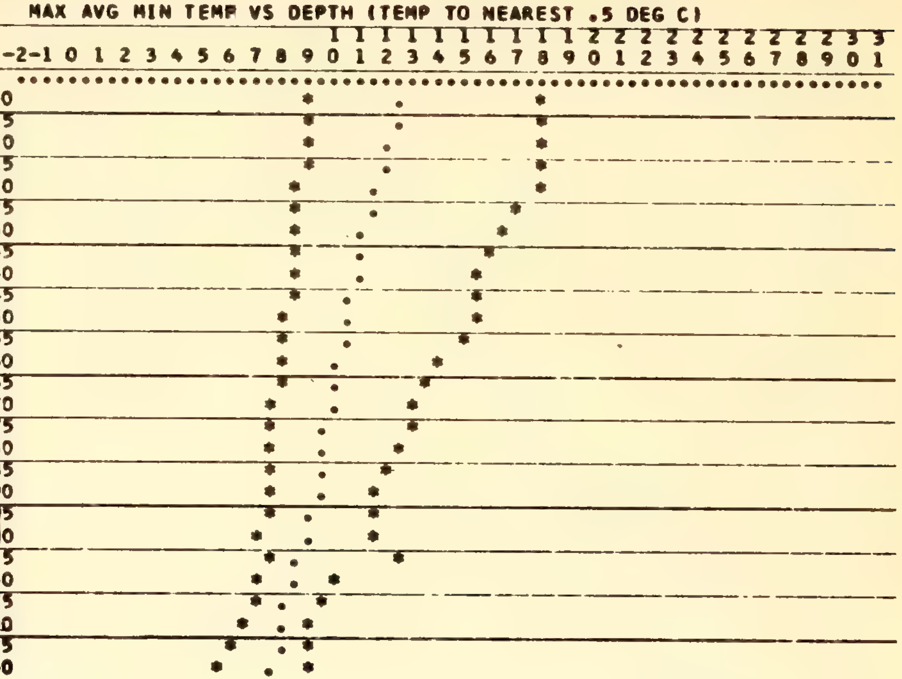

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                              NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 27   MONTH  6
                                                                       MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)
DEPTH                                            GRADIENT
METERS MAX    AVG    MIN    NUM   SDEV         MAX     AVG     MIN
     0 18.2   13.0   9.6    548    1.5          0.0     0.0     0.0    0
     5 17.8   12.8   9.7    548    1.5         56.0     4.3    -6.0    5
    10 17.6   12.5   9.3    547    1.5         60.0     5.5    -4.0   10
    15 17.5   12.3   9.2    547    1.6         58.0     5.5    -4.0   15
    20 16.8   12.1   8.9    534    1.7         32.0     4.8    -6.0   20
    25 16.8   11.8   8.8    527    1.7         46.0     4.8    -2.0   25
    30 16.8   11.6   8.7    520    1.8         40.0     5.0   -12.0   30
    35 16.8   11.4   8.5    499    1.7         50.0     5.3    -4.0   35
    40 16.8   11.1   8.1    496    1.7         34.0     5.4    -2.0   40
    45 16.8   10.9   8.2    491    1.7         40.0     4.8   -10.0   45
    50 16.7   10.7   8.2    474    1.6         38.0     4.9   -12.0   50
    55 16.6   10.6   8.1    434    1.5         32.0     4.9    -6.0   55
    60 16.2   10.4   8.1    426    1.4         40.0     4.5   -10.0   60
    65 16.1   10.3   8.1    399    1.4         42.0     4.1    -6.0   65
    70 15.9   10.1   7.9    395    1.3         20.0     3.7    -8.0   70
    75 15.5    9.9   7.6    391    1.2         28.0     3.9    -8.0   75
    80 15.1    9.7   6.0    385    1.2         56.0     3.3    -6.0   80
    85 14.7    9.6   7.1    384    1.1         20.0     2.8   -28.0   85
    90 14.6    9.5   7.5    374    1.0         20.0     2.6   -24.0   90
    95 14.4    9.4   7.4    362    1.0         20.0     2.4    -4.0   95
   100 14.2    9.3   7.4    362    0.9         12.0     1.9   -10.0  100
   125 13.0    8.9   7.1    311    0.7         10.4     1.8    -0.8  125
   150 12.7    8.7   7.0    154    0.7          7.2     1.3    -0.4  150
   175 12.7    8.4   6.7    140    0.7          4.8     1.1    -0.8  175
   200  9.1    7.9   6.5     95    0.4          2.8     1.2     0.0  200
   225  8.8    7.7   6.1     69    0.4          2.0     0.9    -0.4  225
   250  8.8    7.7   6.7     39    0.5          2.4     0.9    -0.8  250
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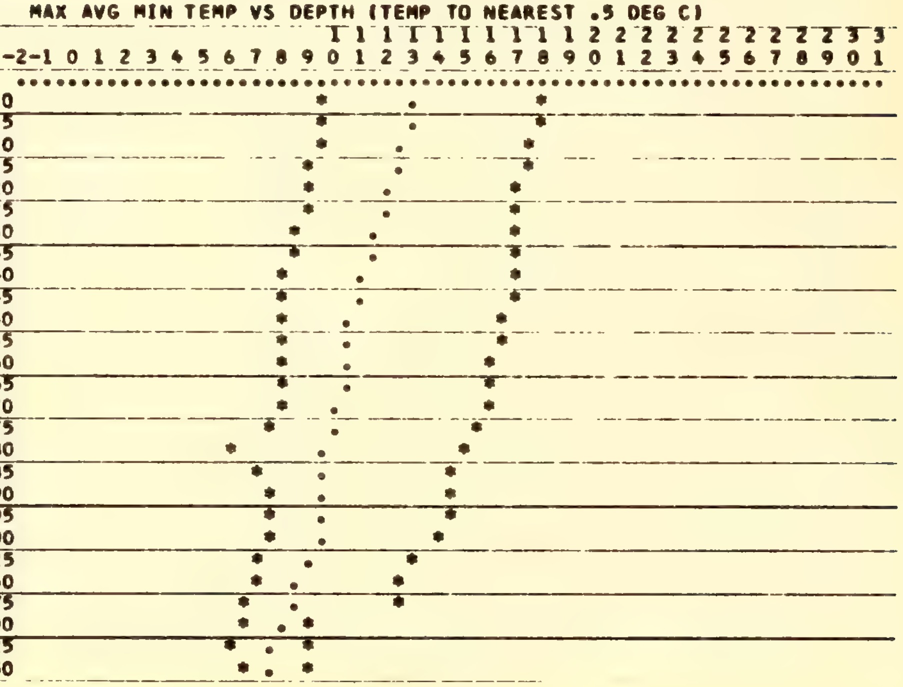
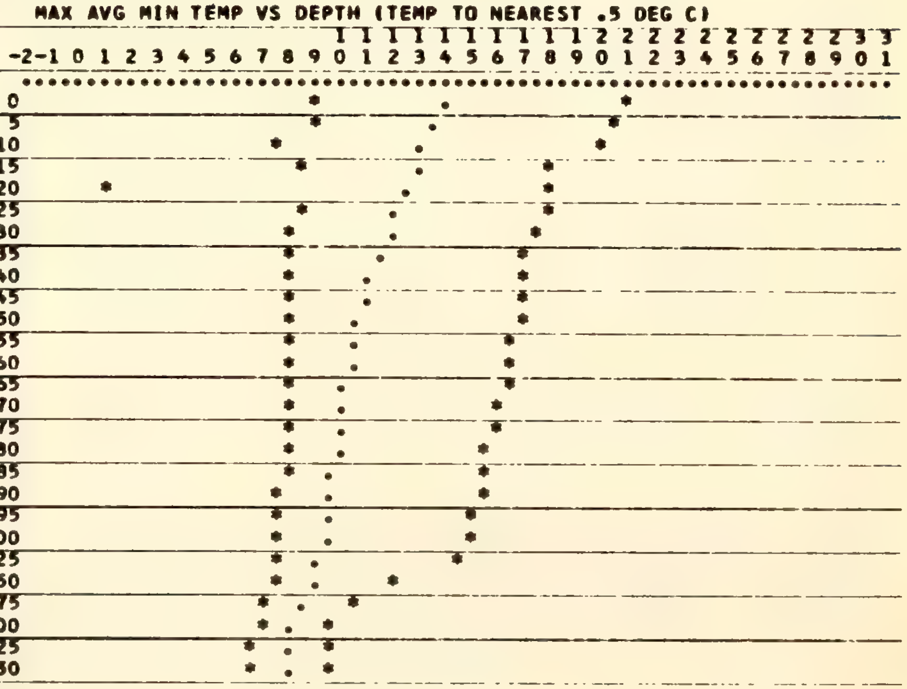


Table VI-1.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 27 MONTH 7

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	 AVG	 MIN	
0	21.0	14.0	9.1	435	1.8	0.0	0.0	0.0	0
5	20.6	13.7	9.1	435	1.9	64.0	6.0	-36.0	5
10	20.0	13.2	7.7	435	2.0	82.0	8.9	-2.0	10
15	18.2	12.8	8.7	434	2.1	64.0	8.6	-74.0	15
20	17.9	12.5	1.0	417	2.2	184.0	8.1	-4.0	20
25	17.6	12.2	8.3	414	2.1	56.0	6.9	-178.0	25
30	17.5	11.8	8.2	411	2.1	42.0	7.6	-4.0	30
35	17.2	11.5	8.2	396	1.9	94.0	7.7	-6.0	35
40	17.2	11.1	8.2	394	1.8	48.0	7.2	-12.0	40
45	17.1	10.8	8.2	391	1.7	36.0	5.8	-12.0	45
50	16.8	10.6	8.1	379	1.6	32.0	4.9	-12.0	50
55	16.6	10.6	8.0	312	1.5	50.0	5.6	-4.0	55
60	16.4	10.4	7.8	310	1.4	40.0	4.8	-16.0	60
65	16.3	10.2	7.8	295	1.4	30.0	4.1	-6.0	65
70	16.2	10.0	7.8	292	1.3	30.0	3.4	-12.0	70
75	15.8	9.9	7.8	286	1.2	20.0	3.2	-6.0	75
80	15.6	9.8	7.8	276	1.1	20.0	2.5	-6.0	80
85	15.5	9.7	7.8	274	1.1	16.0	2.4	-20.0	85
90	15.3	9.6	7.7	262	1.1	22.0	2.3	-4.0	90
95	15.1	9.5	7.7	246	1.0	16.0	2.0	-6.0	95
100	15.1	9.4	7.7	246	1.0	12.0	2.0	-18.0	100
125	14.4	9.1	7.7	170	0.9	6.8	1.6	-1.2	125
150	11.8	9.0	7.4	92	0.7	10.4	1.5	-0.4	150
175	10.7	8.7	7.1	81	0.7	5.6	1.2	-0.4	175
200	9.6	8.2	7.0	55	0.5	2.8	0.9	-0.8	200
225	9.6	8.0	6.5	52	0.6	2.4	1.0	-0.4	225
250	9.6	7.9	6.4	40	0.7	2.0	0.7	-0.4	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 27 MONTH 8

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	 AVG	 MIN	
0	20.0	14.5	10.1	278	1.8	0.0	0.0	0.0	0
5	20.0	14.3	10.1	278	1.9	66.0	4.6	-6.0	5
10	19.8	14.0	9.9	278	2.0	60.0	6.5	-2.0	10
15	18.7	13.6	9.4	278	2.1	60.0	7.3	-4.0	15
20	18.5	13.3	9.3	268	2.2	44.0	7.4	-2.0	20
25	18.3	12.9	9.1	266	2.2	50.0	8.1	-2.0	25
30	18.0	12.5	9.0	266	2.1	50.0	9.2	-14.0	30
35	17.2	12.1	9.0	257	1.9	48.0	9.3	-8.0	35
40	16.8	11.6	8.6	257	1.8	60.0	8.4	-4.0	40
45	16.3	11.3	8.6	254	1.6	56.0	7.1	-6.0	45
50	16.2	11.0	8.6	245	1.3	48.0	6.6	-8.0	50
55	15.8	10.9	8.7	199	1.2	44.0	6.5	-4.0	55
60	15.0	10.6	8.5	196	1.0	42.0	5.9	-26.0	60
65	13.4	10.4	8.4	191	0.9	34.0	4.6	-10.0	65
70	12.3	10.2	8.4	191	0.8	40.0	4.0	-2.0	70
75	12.2	10.0	8.2	185	0.7	24.0	3.5	-2.0	75
80	11.8	9.9	8.1	179	0.7	14.0	2.9	-2.0	80
85	11.7	9.8	8.0	176	0.6	12.0	2.7	-2.0	85
90	11.4	9.7	7.9	169	0.6	12.0	2.3	-4.0	90
95	11.3	9.6	7.8	163	0.6	10.0	1.9	0.0	95
100	11.1	9.5	7.7	163	0.6	10.0	2.3	-2.0	100
125	10.4	9.1	7.3	115	0.5	7.2	1.4	-1.2	125
150	10.1	8.9	7.4	62	0.6	2.8	1.0	-0.8	150
175	9.9	8.7	7.2	60	0.6	2.4	0.9	0.0	175
200	9.7	8.3	7.1	39	0.6	2.0	0.7	-0.4	200
225	9.6	8.1	6.7	35	0.7	2.8	0.8	-1.2	225
250	9.6	7.8	6.2	24	0.9	2.0	0.7	-0.4	250
275	7.8	7.4	7.1	2	0.4	1.6	0.2	-1.2	275

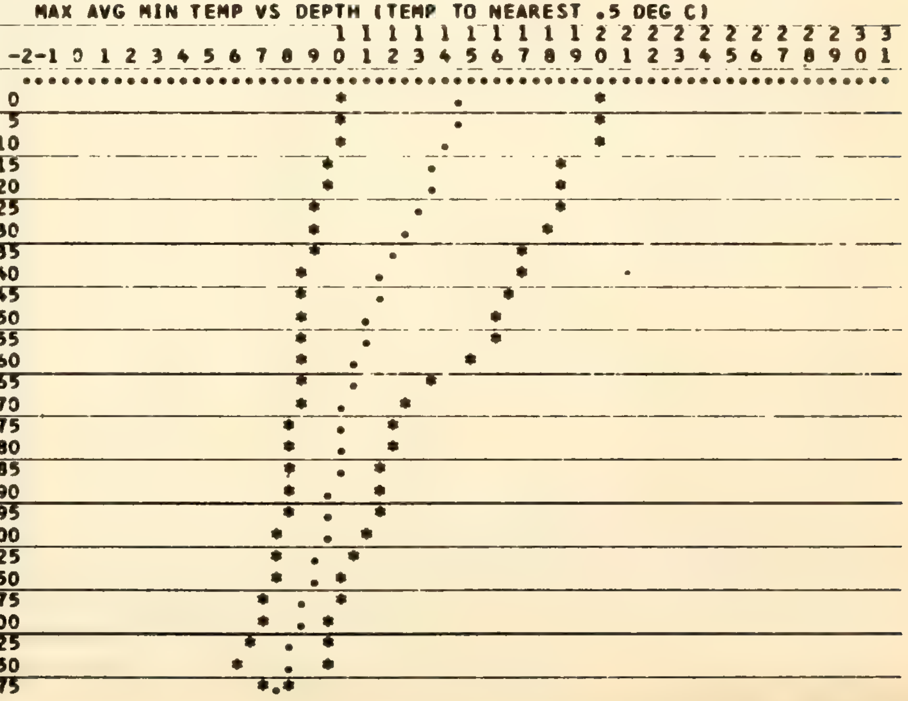
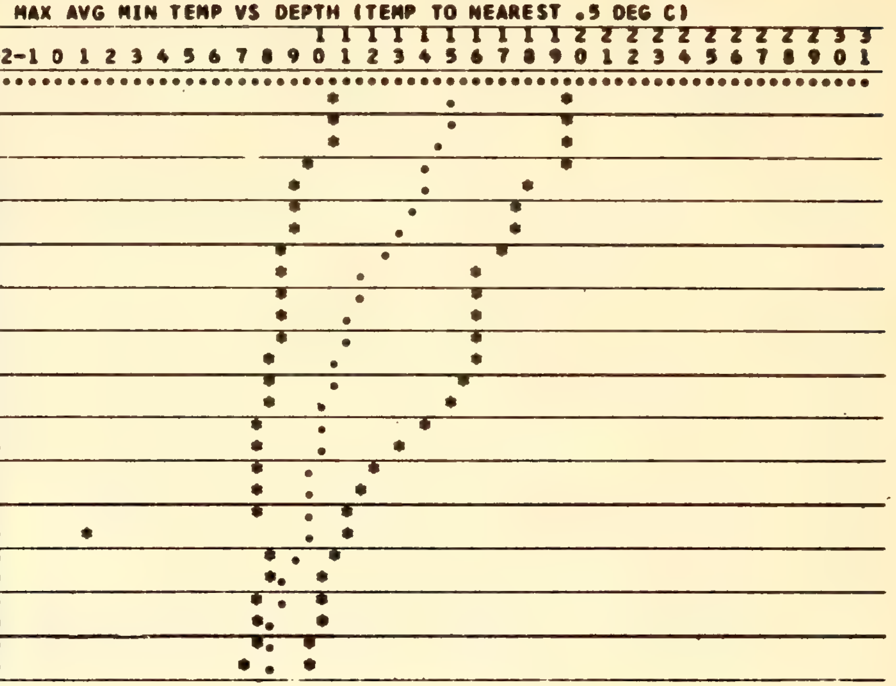


Table VI-1.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 27 MONTH 9

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	19.7	15.0	10.7	433	1.3	0.0	0.0	0.0	0
5	19.6	14.8	10.6	433	1.4	58.0	4.3	-14.0	5
10	19.6	14.5	10.3	433	1.6	46.0	5.8	-2.0	10
15	19.5	14.2	9.3	433	1.7	62.0	7.2	-8.0	15
20	18.1	13.8	9.2	423	1.8	104.0	7.9	-20.0	20
25	17.4	13.3	8.9	420	1.9	66.0	10.3	-16.0	25
30	17.4	12.8	8.8	399	1.9	50.0	10.4	-22.0	30
35	16.9	12.3	8.7	385	1.8	74.0	11.1	-4.0	35
40	16.2	11.7	8.4	381	1.6	68.0	10.4	-6.0	40
45	16.1	11.3	8.4	380	1.5	66.0	8.3	-32.0	45
50	16.1	11.0	8.4	371	1.3	60.0	6.5	-8.0	50
55	16.0	10.8	8.3	307	1.3	38.0	5.8	-16.0	55
60	15.9	10.5	7.9	304	1.1	38.0	5.2	-8.0	60
65	15.7	10.3	7.9	296	1.0	36.0	4.7	-8.0	65
70	15.1	10.1	7.8	293	0.9	40.0	4.2	-16.0	70
75	13.9	9.9	7.7	288	0.8	50.0	3.8	-6.0	75
80	12.8	9.8	7.3	280	0.7	32.0	3.0	-4.0	80
85	11.8	9.6	7.6	277	0.6	24.0	3.5	-4.0	85
90	11.6	9.5	7.5	274	0.5	18.0	2.4	-14.0	90
95	11.2	9.4	7.4	269	0.5	16.0	2.0	-8.0	95
100	11.2	9.3	1.0	269	0.7	190.0	2.6	-8.0	100
125	10.7	8.9	7.8	217	0.4	4.8	1.3	-33.6	125
150	10.2	8.7	7.8	114	0.3	2.8	1.0	-0.8	150
175	9.9	8.5	7.7	106	0.3	2.4	1.0	-0.4	175
200	9.9	8.2	7.3	79	0.4	2.4	0.9	-0.4	200
225	9.6	8.0	7.3	58	0.4	2.8	0.9	-0.4	225
250	9.6	7.8	6.9	45	0.5	2.0	0.7	0.0	250



NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 27 MONTH 10

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	
0	20.7	14.7	10.7	605	1.4	0.0	0.0	0.0	0
5	20.7	14.6	10.9	605	1.4	40.0	2.4	-8.0	5
10	19.3	14.4	10.5	605	1.5	116.0	4.3	-2.0	10
15	19.1	14.1	10.1	605	1.6	36.0	5.7	-2.0	15
20	19.0	13.8	10.0	592	1.7	40.0	6.8	-2.0	20
25	18.1	13.4	9.7	588	1.7	54.0	7.8	-6.0	25
30	18.1	13.0	9.4	587	1.7	60.0	8.3	-26.0	30
35	18.1	12.5	7.1	570	1.7	62.0	10.3	-52.0	35
40	17.9	12.0	8.8	563	1.5	62.0	9.9	-52.0	40
45	17.6	11.6	8.4	562	1.4	54.0	8.9	-18.0	45
50	17.3	11.2	8.3	546	1.2	60.0	7.9	-16.0	50
55	16.9	10.9	8.2	466	1.1	50.0	7.2	-12.0	55
60	15.6	10.6	8.2	462	1.0	54.0	5.4	-14.0	60
65	14.4	10.4	8.0	441	0.9	26.0	4.8	-6.0	65
70	15.3	10.2	7.9	440	0.8	26.0	3.7	-102.0	70
75	13.5	10.0	7.8	437	0.7	68.0	3.6	-6.0	75
80	13.1	9.9	7.6	434	0.7	44.0	3.1	-6.0	80
85	12.3	9.7	7.3	430	0.7	18.0	3.1	-4.0	85
90	12.0	9.6	7.2	426	0.6	20.0	2.9	-2.0	90
95	11.8	9.4	7.0	422	0.6	16.0	2.3	-18.0	95
100	11.2	9.3	6.7	422	0.6	22.0	2.6	-4.0	100
125	10.4	8.8	6.2	367	0.6	6.4	1.8	-5.6	125
150	10.3	8.9	7.6	152	0.4	2.8	1.1	-1.6	150
175	10.3	8.6	7.4	142	0.5	2.8	1.1	-0.4	175
200	10.2	8.4	7.3	118	0.6	2.8	1.0	-0.8	200
225	9.9	8.1	6.7	85	0.6	2.8	1.0	-0.8	225
250	9.7	7.7	6.3	66	0.7	2.4	1.2	-0.4	250

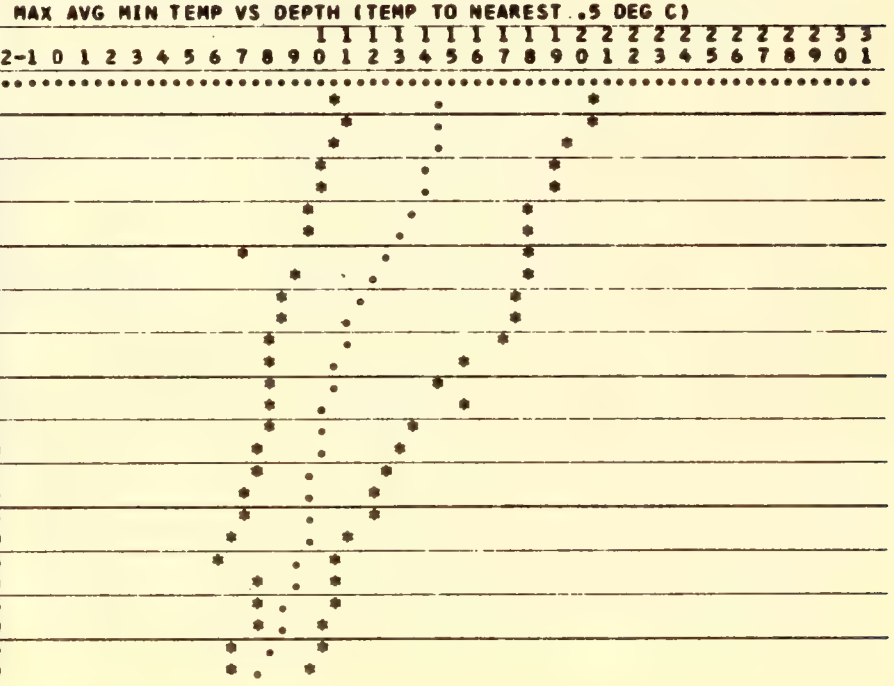


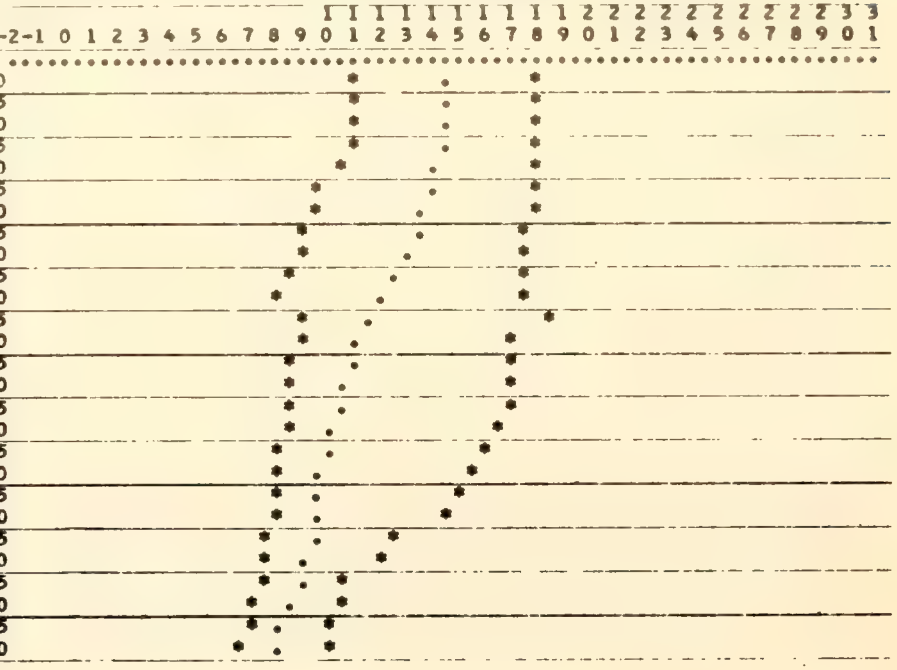
Table IV-1.--Concluded

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 27 MONTH 11

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	18.2	14.5	11.0	658	1.2	0.0	0.0	0.0	0
5	18.2	14.5	11.0	658	1.2	22.0	1.1	-4.0	5
10	18.2	14.4	11.0	658	1.2	48.0	1.6	-2.0	10
15	18.2	14.3	11.0	657	1.3	60.0	2.3	-4.0	15
20	18.2	14.2	10.5	642	1.3	42.0	2.7	-4.0	20
25	18.2	14.0	9.6	635	1.3	34.0	3.6	-18.0	25
30	17.9	13.7	9.3	634	1.4	60.0	5.7	-2.0	30
35	17.6	13.4	9.1	616	1.4	48.0	7.4	-6.0	35
40	17.6	12.9	8.9	609	1.5	72.0	9.0	-2.0	40
45	17.6	12.4	8.6	599	1.5	50.0	10.4	-2.0	45
50	17.6	11.9	8.1	575	1.5	48.0	10.2	-6.0	50
55	18.6	11.5	9.2	501	1.4	40.0	9.3	-44.0	55
60	17.1	11.1	9.0	496	1.4	124.0	7.8	-6.0	60
65	16.9	10.8	8.6	430	1.3	30.0	6.1	-2.0	65
70	16.8	10.5	8.5	420	1.3	28.0	5.2	-6.0	70
75	16.8	10.3	8.4	412	1.2	20.0	4.4	-2.0	75
80	16.3	10.1	8.3	401	1.1	28.0	4.0	-2.0	80
85	15.8	9.9	8.2	397	1.0	30.0	3.2	-94.0	85
90	15.3	9.7	8.1	388	0.9	100.0	3.3	-6.0	90
95	14.9	9.6	8.0	371	0.9	28.0	2.6	-6.0	95
100	14.3	9.5	7.9	371	0.9	12.0	2.5	-6.0	100
125	12.3	9.3	7.4	183	0.8	10.0	2.2	-0.4	125
150	11.8	9.1	7.7	106	0.8	5.6	1.5	-0.4	150
175	10.4	8.8	7.5	92	0.7	5.6	1.2	-0.4	175
200	10.4	8.3	7.2	66	0.6	2.8	1.1	-1.2	200
225	10.2	8.1	7.0	63	0.6	3.6	1.1	0.0	225
250	10.1	7.9	6.7	47	0.6	2.4	0.9	0.0	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)

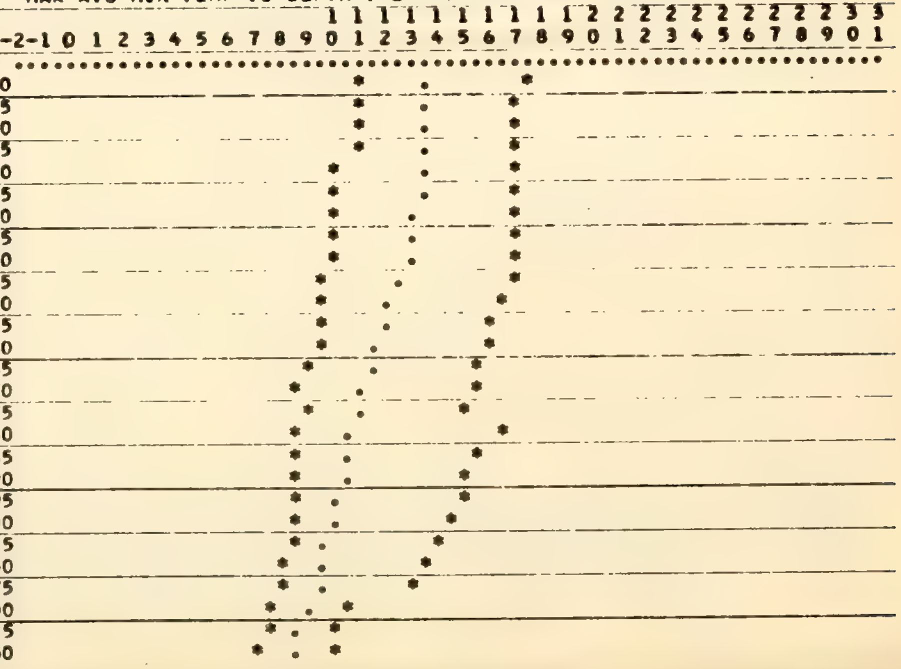


NODC VERTICAL ARRAY SUMMARY - TEMPERATURE (FROM NODC BATHYTHERMOGRAPH GEOFILE)

AREA 27 MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	
0	17.5	13.6	10.9	335	1.4	0.0	0.0	0.0	0
5	17.1	13.5	10.9	335	1.4	24.0	0.5	-8.0	5
10	16.9	13.5	10.9	335	1.4	18.0	0.8	-6.0	10
15	16.9	13.4	10.8	335	1.4	12.0	1.1	-4.0	15
20	16.9	13.4	10.2	324	1.5	28.0	1.9	-2.0	20
25	16.9	13.3	9.9	317	1.5	28.0	2.1	-2.0	25
30	16.9	13.2	9.9	312	1.6	24.0	2.9	-6.0	30
35	16.9	13.1	9.9	295	1.6	28.0	3.5	-16.0	35
40	16.8	12.8	9.8	292	1.6	32.0	4.9	-2.0	40
45	16.8	12.5	9.5	289	1.5	46.0	6.4	-2.0	45
50	16.3	12.2	9.5	273	1.4	44.0	6.8	-8.0	50
55	16.2	11.9	9.5	221	1.4	46.0	8.0	-2.0	55
60	16.0	11.6	9.3	210	1.3	42.0	7.1	-2.0	60
65	15.6	11.4	9.0	189	1.2	30.0	5.8	-4.0	65
70	15.5	11.1	8.7	187	1.1	46.0	5.4	-10.0	70
75	15.2	10.9	8.8	179	1.0	24.0	4.9	-4.0	75
80	16.3	10.7	8.7	176	1.0	18.0	3.8	-28.0	80
85	15.4	10.5	8.6	172	0.9	20.0	3.9	-2.0	85
90	15.2	10.4	8.4	169	0.9	14.0	3.0	-6.0	90
95	14.9	10.2	8.4	162	0.9	10.0	2.6	-2.0	95
100	14.7	10.1	8.3	162	0.9	10.0	2.3	-4.0	100
125	13.9	9.7	8.4	120	0.8	5.2	1.9	-0.8	125
150	13.3	9.6	8.1	57	0.9	3.2	1.4	0.0	150
175	13.1	9.3	7.8	50	0.9	3.2	1.1	0.0	175
200	10.5	8.9	7.7	31	0.6	3.2	0.9	-1.2	200
225	10.1	8.7	7.3	26	0.6	2.0	1.0	0.0	225
250	9.9	8.5	7.2	17	0.7	3.2	1.1	-1.2	250

MAX AVG MIN TEMP VS DEPTH (TEMP TO NEAREST .5 DEG C)



b. Ocean station data

Table VI-2.--Statistical summary of ocean station temperature data, by miniregion and season

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 1 MONTH 1 TO MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	25.86	23.96	22.65	60	0.58	0.0	0.0	0.0	0
10	25.90	23.94	22.08	62	0.73	9.59	0.85	-1.00	60
20	25.87	23.86	21.11	62	0.80	9.69	0.83	-1.00	62
30	25.85	23.77	20.15	63	0.87	9.59	0.76	-1.00	63
50	25.68	23.61	18.22	67	1.01	9.64	0.97	-0.29	67
75	25.54	23.36	15.81	89	1.07	9.63	1.36	-1.00	89
100	25.06	23.04	12.65	90	1.36	15.00	1.78	-0.19	90
125	24.11	22.64	16.70	89	0.93	9.95	2.31	0.0	89
150	23.53	21.91	14.39	89	1.25	9.33	3.72	0.03	89
200	22.07	19.99	10.29	88	1.70	10.33	4.06	-1.39	88
250	21.17	18.15	6.90	87	1.55	12.59	4.20	-0.79	87
300	20.68	16.49	11.48	86	1.22	6.55	3.18	0.05	86
400	18.07	13.40	8.97	82	1.67	7.54	2.96	0.58	82
500	16.52	10.87	8.53	74	1.81	5.91	2.41	0.26	74

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 1 MONTH 4 TO MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	29.15	27.09	23.80	91	1.23	0.0	0.0	0.0	0
10	29.08	26.95	23.59	90	1.08	20.59	1.37	-11.79	90
20	28.90	26.72	23.23	90	1.11	30.29	2.74	-6.69	90
30	28.60	26.37	22.32	90	1.24	25.69	3.84	-0.09	90
50	27.78	25.46	19.40	90	1.71	19.50	5.57	-0.34	90
75	26.99	24.08	15.66	90	2.18	14.67	4.93	0.0	90
100	26.09	23.01	16.65	84	2.03	16.25	5.97	1.03	84
125	24.96	21.62	13.37	84	2.16	14.00	5.43	0.84	84
150	23.91	20.59	13.99	76	2.05	17.55	5.10	0.0	76
200	21.94	18.45	10.25	69	2.41	10.65	4.05	0.50	69
250	19.86	17.40	11.15	65	2.08	7.66	2.96	0.03	65
300	18.72	16.34	11.01	58	2.03	7.07	2.81	0.14	58
400	17.82	14.40	7.97	48	2.50	5.09	2.62	0.50	48
500	16.11	12.55	7.29	35	2.51	5.65	2.59	1.42	35

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 1 MONTH 7 TO MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	29.80	28.80	28.23	21	0.37	0.0	0.0	0.0	0
10	29.72	28.76	28.23	21	0.33	2.00	0.11	-2.00	21
20	29.51	28.62	28.23	21	0.27	8.50	2.73	-0.19	21
30	29.18	28.28	27.76	21	0.32	7.59	3.43	0.0	21
50	28.21	27.58	26.85	21	0.43	9.25	3.69	0.0	21
75	27.33	26.35	25.73	21	0.44	11.66	4.40	0.0	21
100	26.01	25.04	22.96	21	0.78	11.07	5.08	0.0	21
125	25.21	23.53	20.49	21	1.13	13.90	5.89	0.0	21
150	24.26	22.01	17.64	21	1.51	15.54	6.00	0.0	21
200	21.53	19.72	15.66	20	1.32	10.50	4.13	0.0	20
250	19.71	17.83	12.55	20	2.18	8.51	3.76	0.0	20
300	18.66	16.43	9.37	19	3.01	6.71	2.97	0.0	19
400	17.99	15.89	10.37	15	2.27	3.11	1.65	0.0	15
500	16.61	14.28	12.47	11	1.66	4.42	2.68	0.0	11

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 1 MONTH 10 TO MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	28.29	27.04	24.73	29	0.95	0.0	0.0	0.0	0
10	28.13	27.01	24.73	29	0.94	5.79	0.26	-0.88	29
20	28.11	26.96	24.72	28	0.92	2.00	0.06	-1.00	28
30	28.13	26.94	24.65	28	0.93	2.50	0.24	-0.79	28
50	28.10	26.78	24.11	28	0.96	10.00	2.19	-0.04	28
75	28.00	26.05	23.64	27	1.00	11.75	3.42	0.03	27
100	27.61	24.83	19.44	27	1.65	19.87	6.99	0.39	27
125	26.84	22.82	12.69	27	2.49	27.00	8.00	-1.59	27
150	27.24	21.65	17.60	26	1.82	15.71	6.19	-1.59	26
200	21.15	18.80	11.54	26	2.00	14.89	5.15	2.00	26
250	19.27	17.07	8.63	26	2.54	7.86	3.18	0.81	26
300	18.55	16.74	13.80	23	1.41	4.64	2.15	0.37	23
400	17.59	14.45	8.60	21	2.43	6.27	2.42	0.52	21
500	16.53	13.01	8.05	13	2.19	4.75	2.59	1.05	13

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 2 MONTH 1 TO MONTH 3

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	20.75	19.27	17.21	19	1.00	0.0	0.0	0.0	0
10	20.75	19.27	17.20	19	1.01	0.33	-0.08	-0.79	19
20	20.75	19.27	17.19	19	1.02	1.79	0.02	-0.79	19
30	21.46	19.38	17.18	20	1.11	8.00	0.40	-0.33	20
50	20.76	19.31	17.16	20	1.03	6.04	0.39	-0.04	20
75	20.74	19.27	17.14	20	1.01	1.23	0.11	-0.66	20
100	20.64	19.20	17.13	18	1.04	1.00	0.17	-0.03	18
125	20.46	19.10	17.13	16	1.06	1.75	0.24	-0.11	16
150	20.35	19.00	17.14	16	1.02	2.38	0.59	-0.09	16
200	20.16	18.69	17.12	15	0.98	1.91	0.57	0.0	15
250	19.90	18.35	16.91	15	0.78	3.10	0.77	0.0	15
300	19.35	18.02	16.52	15	0.68	2.10	0.61	-1.00	15
400	18.25	17.34	15.17	14	0.86	1.59	0.62	0.0	14
500	17.94	16.57	13.35	13	1.41	3.22	1.07	-0.04	13

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 2 MONTH 4 TO MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	25.94	23.62	20.83	23	1.54	0.0	0.0	0.0	0
10	25.35	23.31	20.67	23	1.55	11.29	3.40	-0.09	23
20	25.16	22.80	20.23	23	1.47	16.29	5.03	0.0	23
30	24.90	22.14	19.82	23	1.48	18.39	8.08	0.25	23
50	23.97	20.77	19.09	23	1.38	13.19	5.96	1.50	23
75	22.46	19.71	18.35	23	1.02	9.87	4.02	1.50	23
100	20.89	19.11	17.81	23	0.77	6.53	1.81	0.0	23
125	20.23	18.78	17.74	23	0.58	4.27	1.22	0.27	23
150	19.76	18.54	17.68	23	0.46	2.69	0.90	0.0	23
200	18.85	18.26	17.57	23	0.34	1.81	0.37	0.0	23
250	18.69	18.13	17.50	23	0.32	0.59	0.26	0.0	23
300	18.56	17.99	17.40	23	0.32	0.59	0.26	0.0	23
400	18.37	17.68	16.99	22	0.34	0.56	0.31	0.0	22
500	17.90	17.14	15.89	22	0.48	1.50	0.71	0.11	22

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 2 MONTH 7 TO MONTH 9

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	27.94	26.76	24.89	18	0.88	0.0	0.0	0.0	0
10	27.56	26.55	24.29	18	0.85	11.00	2.17	-0.50	18
20	27.47	26.27	23.65	18	0.96	10.62	2.94	-0.89	18
30	27.20	25.35	22.70	18	1.33	33.00	10.78	-0.50	18
50	25.94	22.91	20.20	18	1.68	22.50	12.32	0.11	18
75	24.43	21.09	19.10	18	1.42	11.07	6.61	0.46	18
100	22.12	19.95	18.69	18	1.01	8.88	4.07	1.47	18
125	20.83	19.36	18.39	18	0.72	4.81	2.26	0.67	18
150	19.96	18.95	18.18	18	0.53	3.47	1.49	0.55	18
200	19.31	18.52	17.95	17	0.39	1.41	0.77	0.27	17
250	18.93	18.30	17.83	15	0.27	0.91	0.56	0.19	15
300	18.61	18.08	17.66	15	0.22	0.71	0.39	0.11	15
400	18.11	17.73	17.40	14	0.19	0.54	0.35	0.16	14
500	17.75	17.18	16.61	13	0.32	1.29	0.62	0.33	13

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 2 MONTH 10 TO MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	25.44	22.55	20.62	27	1.44	0.0	0.0	0.0	0
10	25.44	22.54	20.60	27	1.45	0.79	0.05	-0.59	27
20	25.44	22.53	20.61	27	1.45	0.79	0.03	-0.50	27
30	25.44	22.53	20.62	27	1.44	0.59	0.03	-0.39	27
50	24.74	22.40	20.60	27	1.27	19.27	1.57	-0.14	27
75	24.61	22.05	20.60	27	1.10	11.47	1.73	-0.25	27
100	24.13	21.21	18.95	27	1.25	28.00	4.75	-0.06	27
125	22.41	20.25	17.98	27	1.25	8.50	3.50	0.04	27
150	21.70	19.51	17.56	27	1.11	6.27	2.77	0.55	27
200	20.34	18.78	17.35	24	0.65	2.70	1.33	0.0	24
250	19.06	18.38	17.62	20	0.37	1.17	0.67	0.21	20
300	18.65	18.10	17.41	19	0.32	0.81	0.41	0.0	19
400	18.25	17.70	16.50	18	0.41	1.38	0.34	-0.02	18
500	18.03	17.12	14.68	20	0.73	2.00	0.72	0.0	20

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 3 MONTH 1 TO MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	NUM
0	15.28	10.18	5.28	9	2.72	0.0	0.0	0.0	0
10	15.27	10.45	6.02	9	2.58	0.44	-3.87	-16.77	9
20	15.26	10.72	7.24	9	2.39	0.33	-2.57	-12.19	9
30	15.26	10.97	8.01	9	2.22	0.0	-2.52	-12.68	9
50	15.27	11.52	8.64	9	1.96	-0.08	-3.21	-12.66	9
75	15.28	12.39	8.40	9	2.10	1.00	-4.46	-9.75	9
100	13.96	12.43	9.42	9	1.63	4.71	-0.05	-5.00	9
125	13.45	12.09	9.49	9	1.22	4.51	1.60	-4.43	9
150	13.34	11.74	9.26	9	1.20	4.33	1.18	-2.95	9
200	12.97	10.63	8.74	10	1.37	4.87	3.03	1.39	10
250	10.99	9.33	7.81	9	1.17	3.81	2.64	1.06	9
300	9.21	8.13	6.70	9	0.97	3.57	2.34	1.73	9
400	6.97	6.23	5.15	8	0.67	2.34	1.78	1.29	8
500	5.67	5.17	4.77	7	0.33	1.82	0.91	0.45	7

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 3 MONTH 4 TO MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	NUM
0	22.99	17.69	3.38	14	4.96	0.0	0.0	0.0	0
10	22.42	16.73	3.38	14	4.74	35.39	9.98	0.0	14
20	21.78	15.78	3.38	14	4.61	56.00	11.00	-4.19	14
30	19.95	14.64	3.38	14	4.53	39.59	10.06	-12.59	14
50	18.05	13.17	3.38	15	3.57	22.00	3.78	-26.76	15
75	16.01	13.25	6.64	15	2.44	10.19	-0.20	-13.03	15
100	15.07	13.21	8.66	15	1.77	6.39	0.46	-8.07	15
125	14.54	12.79	8.85	15	1.47	7.00	2.07	-2.00	15
150	14.54	12.28	8.96	14	1.38	5.11	1.39	-1.19	14
200	14.34	11.43	8.79	14	1.51	5.79	1.98	-0.01	14
250	13.28	10.21	7.33	14	1.67	3.75	2.49	0.90	14
300	12.10	8.92	6.08	13	1.72	9.00	2.94	2.00	13
400	9.32	6.92	5.45	11	1.28	3.37	1.89	0.57	11
500	6.70	5.51	4.85	9	0.65	2.61	1.26	0.50	9

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 3 MONTH 7 TO MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	NUM
0	28.83	25.04	18.80	54	1.68	0.0	0.0	0.0	0
10	28.36	24.16	18.60	54	2.11	54.28	9.15	-28.00	54
20	27.90	23.03	15.74	54	3.00	84.00	18.75	-3.00	54
30	27.43	20.35	13.24	54	3.12	90.19	31.30	-8.00	54
50	25.80	16.10	8.52	54	2.78	52.00	12.47	-13.00	54
75	17.92	14.40	9.30	54	1.82	28.55	4.03	-5.00	54
100	17.79	13.63	10.38	53	1.52	13.91	3.19	-7.50	53
125	17.72	12.94	10.04	53	1.49	7.45	2.92	-0.55	53
150	17.69	12.23	9.94	53	1.56	6.00	2.77	0.0	53
200	17.53	10.96	8.00	51	1.71	4.51	2.59	0.41	51
250	17.13	9.68	6.80	50	1.83	17.00	2.79	-0.19	50
300	16.40	8.53	5.91	49	1.92	6.05	2.30	-0.19	49
400	13.59	6.76	5.04	38	1.72	4.82	1.86	0.42	38
500	10.36	5.54	4.55	39	1.11	3.28	0.87	0.0	39

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 3 MONTH 10 TO MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	NUM
0	25.41	18.95	9.39	28	3.51	0.0	0.0	0.0	0
10	25.42	18.91	11.00	28	3.28	32.00	0.55	-16.09	28
20	25.43	18.94	13.67	28	3.00	25.29	0.15	-35.00	28
30	23.89	18.60	13.76	28	2.77	54.85	4.01	-3.39	28
50	20.78	17.16	13.75	28	2.35	38.00	7.57	-13.00	28
75	17.58	14.99	11.90	28	1.38	26.87	8.53	-2.16	28
100	15.50	13.82	11.42	27	0.93	11.89	3.51	-6.00	27
125	14.94	12.95	11.32	27	0.76	6.00	3.41	0.11	27
150	14.30	12.19	10.87	27	0.76	4.87	2.86	0.04	27
200	12.93	10.61	8.94	21	1.04	5.11	2.94	0.0	21
250	11.91	9.34	8.00	21	1.06	3.39	2.52	1.87	21
300	10.40	8.22	7.20	20	0.95	3.36	2.07	0.91	20
400	8.59	6.35	5.54	18	0.79	2.67	1.51	0.66	18
500	7.13	5.33	4.82	19	0.50	2.15	0.93	0.47	19

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 4 MONTH 1 TO MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	9.93	5.44	2.08	15	2.34	0.0	0.0	0.0	0
10	9.93	5.45	2.08	15	2.36	5.25	0.13	-2.89	15
20	9.95	5.56	2.08	15	2.41	0.39	-1.39	-15.29	15
30	10.22	5.68	2.08	15	2.51	0.19	-1.13	-5.19	15
50	11.38	6.61	3.05	13	2.42	0.39	-2.04	-6.81	13
75	13.60	8.80	4.67	9	2.51	3.00	-3.76	-9.41	9
100	14.10	10.64	6.79	6	2.81	-1.27	-3.86	-7.83	6
125	14.48	11.24	7.62	5	2.81	-1.51	-5.27	-11.77	5
150	14.03	12.72	11.36	4	1.11	7.00	0.53	-8.39	4
200	11.87	11.05	10.41	3	0.74	3.29	2.23	0.27	3
250	9.36	9.15	8.94	2	0.29	4.64	3.82	3.00	2
300	7.94	7.77	7.60	2	0.24	2.83	2.41	2.00	2
400	5.77	5.77	5.77	1	0.0	1.43	1.43	1.43	1
500	5.00	5.00	5.00	1	0.0	0.31	0.31	0.31	1

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 4 MONTH 4 TO MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	18.81	7.28	2.72	38	3.39	0.0	0.0	0.0	0
10	17.86	7.23	2.70	40	3.30	27.11	2.34	-23.00	40
20	17.16	7.10	2.50	39	3.24	50.00	0.95	-43.19	39
30	14.32	6.60	2.62	37	2.77	50.69	3.47	-36.00	37
50	13.21	6.69	2.94	33	2.82	11.50	-1.05	-16.19	33
75	13.20	8.99	3.04	17	3.43	0.0	-4.49	-12.91	17
100	13.20	11.62	7.55	11	1.59	6.59	-0.46	-2.29	11
125	13.10	11.62	7.99	9	1.52	2.39	-0.12	-2.07	9
150	13.00	11.14	8.24	5	1.75	1.11	0.20	-1.00	5
200	12.80	12.80	12.80	1	0.0	0.39	0.39	0.39	1
250	11.47	11.47	11.47	1	0.0	2.65	2.65	2.65	1
300	9.40	9.40	9.40	1	0.0	4.13	4.13	4.13	1

NODC VERTIC RAY SUMMARY - TEMPERATURE

AREA 4 MONTH 7 TO MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	25.50	19.16	10.44	99	3.38	0.0	0.0	0.0	0
10	25.81	17.64	9.20	99	3.71	79.39	16.62	-67.00	99
20	25.17	15.06	7.76	97	4.19	211.00	31.68	-11.59	97
30	23.53	12.32	6.77	93	3.27	147.00	28.45	-17.00	93
50	16.34	9.84	6.08	77	2.14	72.00	8.87	-9.54	77
75	15.61	10.18	6.35	39	2.14	8.00	-1.88	-22.19	39
100	15.49	11.57	7.54	25	1.59	3.44	-0.72	-9.00	25
125	12.79	11.77	10.87	12	0.58	4.08	0.85	-2.81	12
150	12.31	11.47	10.30	9	0.77	3.83	1.59	0.35	9
200	11.30	10.26	8.60	4	1.16	4.40	3.21	2.33	4
250	10.34	8.63	6.93	3	1.70	3.39	2.88	1.91	3
300	6.06	6.06	6.06	1	0.0	1.71	1.71	1.71	1
400	5.11	5.11	5.11	1	0.0	0.75	0.75	0.75	1

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 4 MONTH 10 TO MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	19.90	12.01	5.47	24	3.14	0.0	0.0	0.0	0
10	19.96	12.03	5.48	24	3.17	1.59	-0.32	-4.22	24
20	19.86	11.96	5.50	24	3.13	20.00	1.44	-2.69	24
30	17.97	12.07	5.44	26	3.04	18.89	-1.39	-42.50	26
50	16.60	12.06	6.91	21	2.77	26.75	4.10	-8.89	21
75	16.71	12.64	7.80	10	2.68	6.79	-2.25	-38.79	10
100	16.91	13.13	7.74	7	2.98	5.95	2.25	-0.75	7
125	15.84	13.47	11.03	4	2.15	4.27	2.49	0.91	4
150	14.91	13.02	11.58	4	1.58	4.64	2.06	-2.19	4

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 9 MONTH 1 TO MONTH 3

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	23.51	22.33	21.50	5	0.79	0.0	0.0	0.0	0
10	23.51	22.44	21.50	5	0.71	0.0	-1.22	-5.89	5
20	23.51	22.54	21.50	5	0.71	0.0	-0.94	-4.39	5
30	23.50	22.59	21.48	5	0.75	0.19	-0.49	-2.79	5
50	23.50	22.58	21.44	4	0.87	4.75	1.23	0.0	4
75	22.59	21.95	21.40	3	0.59	4.23	2.67	0.15	3
100	21.47	21.29	21.05	3	0.21	4.47	2.43	0.19	3
125	20.89	20.71	20.43	3	0.24	2.59	2.30	1.83	3
150	20.44	20.18	19.88	3	0.28	2.39	2.13	1.79	3
200	19.60	19.28	19.04	3	0.28	2.03	1.63	1.18	3
250	18.42	18.41	18.41	2	0.0	1.55	1.40	1.25	2
300	17.86	17.86	17.86	1	0.0	1.11	1.11	1.11	1
400	17.44	17.44	17.44	1	0.0	0.41	0.41	0.41	1
500	16.29	16.29	16.29	1	0.0	1.14	1.14	1.14	1

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 9 MONTH 4 TO MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	26.02	24.33	21.65	13	1.31	0.0	0.0	0.0	0
10	26.05	24.19	21.45	12	1.37	5.77	0.32	-3.55	12
20	26.07	24.12	21.26	12	1.46	5.19	0.62	-0.19	12
30	26.08	23.94	21.14	12	1.55	6.50	2.21	-0.09	12
50	25.80	23.09	20.88	12	1.66	9.11	4.47	-0.19	12
75	24.94	21.19	12.46	12	3.14	45.62	7.98	0.75	12
100	23.96	20.35	12.85	12	2.87	8.50	2.14	-10.00	12
125	23.30	19.77	14.60	12	2.35	6.59	2.61	-5.00	12
150	22.65	19.18	14.52	12	2.17	5.09	2.29	0.66	12
200	20.39	17.91	12.85	12	2.07	4.51	2.18	0.18	12
250	18.98	16.82	11.97	12	2.30	4.87	2.31	0.31	12
300	18.68	16.00	10.50	13	2.76	4.50	2.04	0.0	12
400	17.79	14.91	9.26	11	3.41	4.52	1.75	0.50	11
500	16.78	13.08	6.90	11	3.88	2.67	1.83	1.05	11

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 9 MONTH 7 TO MONTH 9

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	29.05	26.99	24.02	18	1.53	0.0	0.0	0.0	0
10	28.57	26.93	23.50	19	1.65	13.50	1.48	-2.00	18
20	28.73	26.63	22.06	19	2.11	94.00	6.79	-1.59	19
30	28.38	25.80	16.02	19	3.16	60.39	10.86	-0.29	19
50	26.89	24.22	14.47	19	3.58	20.69	9.27	1.00	19
75	26.33	22.48	11.18	19	4.07	9.77	5.50	-0.50	19
100	25.68	21.12	11.28	19	3.85	11.00	5.93	-0.39	19
125	23.12	19.83	11.38	19	3.47	10.23	5.32	-0.39	19
150	21,89	18.73	11.49	19	3.18	10.36	3.83	-0.43	19
200	20.11	17.43	10.43	19	3.15	6.59	1.78	-1.00	19
250	19.04	16.63	9.12	19	3.43	4.80	1.53	0.0	19
300	18.49	15.99	8.04	19	3.68	3.33	1.24	0.23	19
400	17.87	14.44	6.63	17	4.22	5.61	1.57	0.35	17
500	17.24	12.62	5.34	16	4.54	4.96	2.03	0.10	16

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 9 MONTH 10 TO MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	26.20	24.51	23.12	9	1.02	0.0	0.0	0.0	0
10	26.10	24.53	23.31	9	1.01	1.00	-0.24	-2.00	9
20	26.20	24.55	23.41	9	1.00	1.00	-0.17	-1.19	9
30	24.82	24.08	23.34	7	0.56	2.79	0.45	-0.29	7
50	24.84	23.99	23.22	7	0.64	1.00	0.34	-0.09	7
75	24.63	23.16	21.37	7	1.14	16.33	3.98	0.0	7
100	24.47	22.05	19.35	7	1.95	12.00	5.14	0.27	7
125	22.60	20.71	17.65	7	1.92	7.47	5.34	0.69	7
150	21.60	19.74	16.66	7	1.72	5.91	3.45	0.58	7
200	19.60	18.15	14.50	7	1.91	15.83	4.12	1.00	7
250	18.80	17.11	12.52	7	2.57	4.33	1.70	0.97	7
300	18.40	16.11	10.61	7	3.46	5.69	1.66	0.0	7
400	17.88	15.03	8.02	7	4.11	2.50	1.30	0.19	7
500	17.18	13.12	5.46	7	4.54	3.62	2.26	1.16	7

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 6 MONTH 1 TO MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	5.50	2.02	0.04	51	1.58	0.0	0.0	0.0	0
10	5.30	2.07	0.02	52	1.50	14.69	-0.95	-17.09	52
20	5.40	2.15	0.06	52	1.54	1.89	-0.89	-8.69	52
30	6.10	2.32	0.07	52	1.63	5.19	-2.22	-13.19	52
50	7.10	2.66	0.15	51	1.65	2.00	-2.29	-12.33	51
75	6.80	3.40	0.00	42	1.92	5.63	-3.63	-16.79	42
100	8.09	4.81	0.51	21	1.95	1.79	-4.35	-9.27	21
125	7.71	5.85	3.44	17	1.37	1.67	-3.18	-9.79	17
150	8.20	6.34	4.48	16	1.19	0.39	-2.28	-7.00	16
200	8.24	7.25	5.53	10	0.83	1.05	-0.50	-2.61	10
250	7.45	6.45	5.10	3	1.21	0.85	0.25	-0.79	3

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 6 MONTH 4 TO MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	12.50	5.41	0.54	94	3.09	0.0	0.0	0.0	0
10	12.43	5.07	0.22	94	2.98	24.19	3.51	-39.59	94
20	10.75	4.16	0.02	94	2.24	55.09	9.12	-4.09	94
30	8.66	3.41	0.03	94	1.74	41.59	7.28	-32.79	94
50	7.34	2.66	0.12	92	1.54	23.75	2.96	-13.25	92
75	7.60	3.26	0.14	83	1.65	22.11	-2.41	-16.19	83
100	7.38	4.15	0.95	50	1.61	2.35	-4.87	-19.03	50
125	9.15	5.31	2.77	35	1.36	0.71	-5.12	-18.59	35
150	8.66	6.16	3.61	30	1.22	1.79	-3.06	-7.27	30
200	8.57	6.99	3.72	15	1.14	3.71	-0.62	-3.65	15
250	8.16	6.90	5.27	3	1.48	0.81	-0.64	-3.09	3

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 6 MONTH 7 TO MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	20.10	15.46	6.62	73	2.12	0.0	0.0	0.0	0
10	19.29	14.62	4.36	73	2.62	62.33	9.67	-4.39	73
20	16.07	10.53	2.75	73	3.01	112.37	45.98	1.89	73
30	12.60	6.72	1.25	73	2.67	104.79	34.54	-0.19	73
50	11.40	3.44	0.07	73	2.05	40.69	13.41	-17.33	73
75	7.51	3.67	0.60	54	1.53	20.79	-1.64	-13.07	54
100	8.35	5.10	0.91	31	1.60	2.47	-6.01	-14.59	31
125	8.25	6.23	4.20	27	1.16	1.19	-5.08	-16.07	27
150	8.53	7.15	4.77	24	1.01	1.33	-3.38	-10.27	24
200	8.20	7.46	4.84	12	1.08	1.33	0.04	-1.41	12
250	7.55	7.55	7.55	1	0.00	1.29	1.29	1.29	1

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 6 MONTH 10 TO MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	13.20	9.72	5.90	28	2.55	0.0	0.0	0.0	0
10	13.31	9.81	6.17	28	2.45	2.00	-0.88	-11.09	28
20	13.70	9.88	6.18	28	2.43	8.50	-0.38	-9.29	28
30	15.00	9.29	4.45	28	2.41	73.00	10.28	-13.00	28
50	10.70	6.70	3.24	28	1.97	42.89	11.29	-6.79	28
75	7.81	4.65	2.66	17	1.44	25.59	5.48	-7.39	17
100	7.20	4.80	3.40	10	1.16	8.00	-2.42	-6.47	10
125	7.95	5.92	4.54	7	1.17	-3.00	-4.18	-5.27	7
150	8.49	6.65	5.67	7	1.06	-2.00	-2.78	-4.51	7
200	7.70	6.82	6.15	4	0.64	0.71	-0.36	-1.25	4
250	7.80	6.69	5.58	2	1.56	1.13	0.46	-0.19	2

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 7 MONTH 1 TO MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	NUM
0	25.38	24.17	23.85	21	0.31	0.0	0.0	0.0	0
10	25.32	24.04	22.62	19	0.47	13.39	1.21	0.0	19
20	25.29	24.11	23.81	18	0.32	0.29	0.07	-0.09	18
30	25.28	24.11	23.82	18	0.31	0.50	0.06	-0.09	18
50	25.14	24.10	23.83	18	0.28	0.04	-0.07	-0.50	18
75	24.95	24.13	23.89	18	0.23	1.00	0.03	-0.27	18
100	24.64	24.10	23.88	18	0.18	1.00	-0.02	-1.00	18
125	24.45	24.10	23.85	18	0.14	1.11	0.02	-0.67	18
150	24.46	24.07	23.75	17	0.15	2.00	0.62	-0.15	17
200	24.03	23.34	22.04	17	0.54	8.55	3.57	0.0	17
250	23.71	21.25	18.98	17	1.03	6.39	4.04	0.03	17
300	18.45	18.32	17.97	4	0.23	2.01	1.23	0.90	4
400	17.27	17.01	16.76	4	0.20	2.42	1.85	1.09	4
500	14.68	14.64	14.60	3	0.04	3.28	2.70	2.31	3

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 7 MONTH 4 TO MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	NUM
0	28.25	25.31	23.84	15	1.30	0.0	0.0	0.0	0
10	27.38	25.18	23.85	15	1.06	9.66	1.59	-3.29	15
20	26.88	25.04	23.82	15	0.94	6.00	1.44	-2.50	15
30	26.41	24.88	23.59	15	0.87	5.50	1.68	-1.59	15
50	25.57	24.53	23.33	15	0.80	6.50	2.47	-0.34	15
75	24.94	23.86	23.18	15	0.61	5.75	2.46	0.25	15
100	24.79	23.41	22.84	15	0.57	2.87	1.21	0.31	15
125	24.21	22.98	22.44	15	0.43	8.15	1.67	0.10	15
150	24.07	22.50	21.22	13	0.67	6.11	2.25	0.39	13
200	22.24	21.14	19.69	12	0.78	9.57	3.37	0.84	12
250	20.76	19.72	18.93	11	0.55	5.83	3.13	1.73	11
300	19.71	18.51	17.87	11	0.55	2.79	1.61	1.00	11
400	18.34	16.90	16.44	11	0.50	2.65	1.54	0.95	11
500	16.93	15.15	14.20	11	0.70	2.50	2.05	1.45	11

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 7 MONTH 7 TO MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	NUM
0	30.04	28.97	28.21	71	0.35	0.0	0.0	0.0	0
10	29.85	28.86	28.13	70	0.34	5.19	1.03	-1.00	70
20	29.64	28.58	27.85	54	0.38	6.00	2.06	-0.19	54
30	29.54	28.30	27.35	54	0.47	14.00	3.19	-1.50	54
50	28.96	27.36	25.37	54	0.71	27.19	5.74	0.29	54
75	27.61	25.94	24.49	54	0.59	15.33	5.45	0.66	54
100	26.10	24.84	23.17	54	0.61	8.51	3.77	0.0	54
125	25.47	24.06	22.82	54	0.70	5.27	3.10	0.07	54
150	24.48	23.14	21.91	52	0.77	7.21	3.78	0.75	52
200	22.26	20.91	19.84	49	0.61	7.93	4.44	1.77	49
250	20.29	19.25	18.59	47	0.35	4.15	3.07	1.46	47
300	18.67	18.08	17.74	46	0.19	3.50	1.96	1.04	46
400	17.04	16.42	15.89	45	0.29	2.50	1.71	1.07	45
500	15.64	14.55	13.57	40	0.44	2.78	2.07	1.61	38

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 7 MONTH 10 TO MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	AVG	MIN	NUM
0	29.02	27.81	25.49	19	1.12	0.0	0.0	0.0	0
10	28.66	27.84	25.49	20	1.10	5.19	0.10	-3.00	19
20	28.63	27.78	25.49	19	1.11	1.00	0.15	-0.39	19
30	28.63	27.76	25.48	20	1.10	0.50	-0.55	-3.00	19
50	28.61	27.71	25.48	20	1.09	6.00	1.67	-0.04	20
75	28.49	26.84	25.36	20	0.90	11.00	5.57	0.0	20
100	27.11	25.53	24.79	20	0.58	13.50	4.39	0.66	20
125	25.02	24.36	23.62	20	0.43	11.95	4.68	0.79	20
150	24.33	22.82	21.08	18	0.76	11.27	6.99	1.33	18
200	21.24	19.93	19.17	16	0.45	8.55	3.45	2.00	16
250	19.32	18.66	18.22	16	0.24	3.83	2.53	1.77	16
300	18.16	17.84	17.51	16	0.20	1.66	1.04	0.50	16
400	17.05	16.54	16.06	16	0.35	2.39	1.69	1.03	16
500	15.71	14.81	13.98	13	0.56	3.00	2.26	1.50	13

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 8 MONTH 1 TO MONTH 3

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	24.83	19.25	16.30	8	2.89	0.0	0.0	0.0	0
10	24.83	18.89	16.30	8	3.04	14.00	3.68	0.0	8
20	24.82	18.57	15.90	8	3.21	7.00	2.62	0.0	8
30	24.82	18.43	15.80	8	3.26	5.00	1.32	0.0	8
50	24.85	18.23	15.60	8	3.31	4.00	0.95	-0.39	8
75	24.94	18.75	15.20	5	4.16	2.79	1.35	-0.35	5
100	23.87	19.06	15.30	4	4.07	5.44	2.59	0.43	4
125	22.13	19.27	15.99	3	3.09	8.66	4.78	0.43	3
150	20.20	19.32	18.44	2	1.24	7.71	6.35	5.00	2
200	17.60	16.84	16.08	2	1.07	5.00	4.85	4.71	2
250	15.05	14.55	14.06	2	0.70	5.30	4.67	4.03	2
300	12.99	12.55	12.12	2	0.61	3.87	3.59	3.30	2
400	10.54	10.02	9.51	2	0.72	2.60	2.29	1.98	2
500	8.86	8.34	7.83	2	0.72	1.67	1.67	1.67	2

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 8 MONTH 4 TO MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	30.29	26.60	24.32	7	2.33	0.0	0.0	0.0	0
10	29.17	25.85	24.30	7	1.75	21.09	7.48	0.0	7
20	27.92	25.32	24.02	7	1.32	15.89	4.52	0.0	7
30	26.66	24.69	23.34	7	1.15	12.59	6.31	0.0	7
50	25.58	22.67	20.62	7	1.94	25.69	11.06	3.16	7
75	24.97	20.84	18.39	7	2.29	8.91	6.77	2.43	7
100	24.73	20.23	18.25	6	2.43	7.19	4.31	0.38	6
125	24.62	19.38	17.38	6	2.71	5.39	3.45	0.43	6
150	23.58	18.43	16.57	6	2.65	4.79	3.52	2.50	6
200	20.24	16.53	14.77	6	2.08	7.09	3.80	2.57	6
250	18.22	15.31	13.68	5	1.81	3.77	3.12	2.29	5
300	16.58	13.90	12.27	4	1.95	4.00	3.14	2.29	4
400	13.94	11.47	9.65	4	2.00	2.50	1.85	1.39	4
500	11.06	9.24	8.02	4	1.33	4.00	2.72	1.25	4

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 8 MONTH 7 TO MONTH 9

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	28.68	28.17	27.66	2	0.72	0.0	0.0	0.0	0
10	28.68	28.16	27.64	2	0.73	0.19	0.09	0.0	2
20	28.65	28.13	27.62	2	0.72	0.29	0.24	0.19	2
30	28.36	27.95	27.55	2	0.57	2.89	2.04	1.19	2
50	27.26	25.66	24.06	2	2.26	21.50	11.47	1.44	2
75	26.75	23.10	19.46	2	5.15	18.39	10.21	2.03	2
100	21.51	19.49	17.47	2	2.85	20.95	14.45	7.95	2
125	19.75	17.83	15.92	2	2.70	6.19	6.00	5.80	2
150	18.17	16.41	14.66	2	2.48	6.38	5.71	5.03	2
200	16.09	14.55	13.02	2	2.17	4.02	3.65	3.27	2
250	14.34	14.34	14.34	1	0.0	3.43	3.43	3.43	1
300	12.55	12.55	12.55	1	0.0	3.59	3.59	3.59	1
400	10.22	10.22	10.22	1	0.0	2.26	2.26	2.26	1
500	8.65	8.65	8.65	1	0.0	1.56	1.56	1.56	1

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 8 MONTH 10 TO MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	27.48	27.48	27.48	1	0.0	0.0	0.0	0.0	0
10	27.50	27.50	27.50	1	0.0	-0.19	-0.19	-0.19	1
20	27.50	27.26	27.03	2	0.33	1.56	0.78	0.0	2
30	27.21	27.11	27.02	2	0.13	20.00	10.04	0.09	2
50	26.99	26.19	25.40	2	1.12	21.00	10.64	0.29	2
75	26.51	24.06	21.61	2	3.46	5.00	4.00	3.00	2
100	24.97	22.71	20.45	2	3.19	6.15	5.57	5.00	2
125	25.77	22.48	19.20	2	4.64	6.15	5.57	5.00	2
150	24.03	21.03	18.04	2	4.23	8.59	6.61	4.63	2
200	21.01	18.49	15.97	2	3.56	4.34	3.84	3.33	2
250	14.44	14.44	14.44	1	0.0	3.05	3.05	3.05	1
300	13.06	13.06	13.06	1	0.0	2.75	2.75	2.75	1
400	10.75	10.75	10.75	1	0.0	1.79	1.79	1.79	1
500	9.17	9.17	9.17	1	0.0	1.57	1.57	1.57	1

Table VI-2.—Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 9 MONTH 1 TO MONTH 3

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	26.59	25.84	24.01	11	0.73	0.0	0.0	0.0	0
10	26.55	25.80	24.02	11	0.73	1.88	0.40	-1.09	11
20	26.52	25.47	23.56	11	0.96	26.39	4.94	-0.09	11
30	26.46	24.72	19.65	12	2.14	46.89	8.26	0.0	12
50	26.36	25.04	19.13	9	2.28	11.00	2.38	0.25	9
75	26.10	25.34	23.08	8	0.96	7.00	2.62	0.27	8
100	25.83	24.25	21.61	8	1.37	10.28	6.12	2.19	8
125	24.51	22.59	20.07	8	1.58	15.00	7.78	4.07	8
150	23.05	20.83	18.48	8	1.43	12.59	6.84	4.45	8
200	20.17	18.59	17.78	7	0.79	7.93	4.14	1.34	7
250	18.37	16.48	14.87	7	1.04	6.75	4.00	2.55	7
300	17.17	14.96	12.77	5	1.58	4.25	3.21	2.27	5
400	14.21	12.26	10.30	5	1.39	3.38	2.38	1.46	5
500	10.79	9.95	8.65	5	0.79	3.49	2.45	1.64	5

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 9 MONTH 4 TO MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	28.78	27.35	24.62	35	0.78	0.0	0.0	0.0	0
10	28.44	27.20	24.43	38	0.90	26.77	1.48	-1.00	35
20	28.39	26.59	18.62	38	2.02	74.09	5.96	-0.09	38
30	28.20	25.83	15.66	38	2.99	83.29	10.74	0.0	38
50	28.00	24.61	16.68	36	3.51	35.44	8.17	-1.45	36
75	27.42	23.02	15.20	36	4.39	30.00	6.22	0.47	36
100	26.67	22.37	15.46	34	3.99	13.00	5.52	0.43	34
125	25.53	21.41	14.90	31	3.39	20.25	6.57	-0.15	31
150	25.03	19.93	14.25	30	2.98	16.71	6.53	1.00	30
200	24.48	18.02	12.90	25	2.52	9.00	4.46	1.09	25
250	22.61	16.33	11.50	24	2.39	6.39	3.46	1.32	24
300	21.35	15.07	11.55	21	2.18	5.53	3.18	1.59	21
400	20.02	12.25	9.34	21	2.28	4.65	2.75	0.85	21
500	16.82	10.56	8.53	18	1.79	4.25	2.02	0.68	18

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 9 MONTH 7 TO MONTH 9

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	29.94	28.00	22.10	5	3.31	0.0	0.0	0.0	0
10	29.58	27.12	19.01	5	4.54	30.89	9.29	0.0	5
20	28.98	25.71	18.98	5	4.18	52.50	14.03	0.0	5
30	28.72	26.37	23.08	4	2.51	19.19	11.52	6.39	4
50	27.04	23.26	20.24	4	3.13	23.04	16.45	9.19	4
75	25.03	20.93	18.07	4	3.11	15.75	8.93	4.59	4
100	22.51	18.87	17.01	4	2.53	14.11	7.38	3.89	4
125	19.77	17.40	16.03	4	1.69	10.95	5.87	3.67	4
150	18.56	16.29	15.11	4	1.55	6.83	3.89	2.00	4
200	17.57	14.57	13.06	4	2.05	5.29	3.48	1.93	4
250	16.51	13.52	11.15	3	2.73	2.79	2.53	2.11	3
300	15.22	13.42	11.63	2	2.53	2.81	2.68	2.55	2
400	12.55	10.93	9.31	2	2.29	2.31	2.24	2.17	2
500	10.18	10.18	10.18	1	0.0	2.66	2.66	2.66	1

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 9 MONTH 10 TO MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	28.72	28.21	27.58	9	0.42	0.0	0.0	0.0	0
10	29.89	28.20	27.26	9	0.58	4.89	0.35	-1.69	9
20	28.84	28.15	27.00	9	0.65	2.00	0.46	-0.28	9
30	28.81	27.99	26.40	9	0.85	10.19	1.83	-0.19	9
50	28.33	27.36	23.96	9	1.34	13.25	4.25	-1.25	9
75	27.65	26.03	21.56	9	1.84	9.91	5.02	0.0	9
100	27.18	24.36	19.68	9	2.17	15.79	7.57	-0.03	9
125	23.70	22.06	18.71	8	1.64	18.00	7.37	1.00	8
150	21.68	20.63	18.29	8	1.08	9.27	5.49	1.67	8
200	19.23	18.24	16.54	8	0.98	7.39	4.23	2.50	8
250	18.14	16.62	14.71	8	1.14	7.00	3.03	1.23	8
300	17.30	14.96	11.83	8	1.61	5.75	3.44	1.67	8
400	15.07	11.78	9.64	8	1.76	4.77	3.15	1.39	8
500	13.15	9.82	8.08	5	2.05	3.22	2.36	1.42	5

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 10 MONTH 1 TO MONTH 3

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	24.94	21.84	18.90	50	1.21	0.0	0.0	0.0	0
10	24.63	21.61	19.00	46	1.06	11.69	3.60	-1.39	46
20	23.62	21.15	19.92	37	0.85	10.09	4.33	-0.29	37
30	23.12	20.67	19.07	36	0.94	11.19	4.79	-0.29	36
50	21.22	19.56	17.40	36	1.10	24.39	6.22	0.0	36
75	20.23	17.93	15.21	36	1.52	19.71	6.69	0.50	36
100	19.99	16.12	12.93	36	1.78	14.00	7.53	0.95	36
125	19.62	14.34	11.80	35	1.71	14.35	7.10	1.47	35
150	18.63	13.25	11.25	24	1.50	18.35	6.98	3.87	24
200	16.53	13.06	11.03	4	2.57	6.18	4.48	2.83	4
250	14.53	12.24	9.95	3	2.29	4.00	2.78	1.87	3
300	12.65	11.09	9.07	3	1.83	3.75	2.08	0.73	3
400	9.68	8.63	7.58	2	1.48	2.79	2.13	1.47	2
500	7.49	7.00	6.52	2	0.68	1.93	1.41	0.89	2

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 10 MONTH 4 TO MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	30.79	26.24	23.00	64	1.60	0.0	0.0	0.0	0
10	29.62	25.76	23.07	54	1.52	27.11	6.31	-0.69	54
20	26.97	24.87	22.14	45	1.30	27.00	8.67	-0.09	44
30	25.88	23.84	20.70	44	1.24	26.59	10.94	0.69	45
50	24.55	21.83	18.41	44	1.34	17.89	9.43	1.00	44
75	22.19	19.57	17.12	43	1.41	26.00	9.67	4.28	43
100	21.12	17.53	13.37	38	1.59	22.88	7.85	1.50	38
125	20.68	15.84	12.42	35	1.79	15.27	7.33	1.75	35
150	20.17	14.55	10.95	31	2.00	11.03	6.78	2.50	31
200	16.67	12.94	10.00	15	1.57	8.00	4.28	0.19	15
250	14.55	12.01	10.43	10	1.10	7.00	2.90	0.0	10
300	12.86	10.89	9.97	11	0.81	2.55	2.08	1.59	11
400	10.15	9.18	8.10	11	0.59	2.04	1.59	1.16	11
500	8.42	7.90	7.25	4	0.48	1.98	1.10	0.0	4

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 10 MONTH 7 TO MONTH 9

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	31.70	29.76	28.30	38	0.65	0.0	0.0	0.0	0
10	30.97	29.37	26.60	31	0.65	17.00	3.23	-0.33	31
20	29.69	29.31	28.64	23	0.25	3.69	0.69	-4.00	23
30	29.35	27.93	26.07	23	1.12	32.79	15.29	-0.29	23
50	28.26	23.63	21.63	22	1.91	37.75	22.49	9.50	22
75	25.96	19.81	16.10	22	2.12	25.00	14.68	7.00	22
100	23.91	17.30	13.22	20	2.05	15.55	8.78	6.00	20
125	22.14	15.26	11.46	19	2.13	13.27	8.21	5.59	19
150	20.25	13.60	11.41	14	2.37	13.79	8.24	4.71	14
200	16.59	13.62	11.65	3	2.61	5.00	3.76	2.79	3
250	14.32	11.89	10.45	3	2.11	4.53	3.44	2.39	3
300	9.64	9.64	9.64	1	0.0	1.45	1.45	1.45	1
400	8.20	8.20	8.20	1	0.0	1.44	1.44	1.44	1
500	8.66	7.83	7.00	2	1.17	1.59	1.36	1.13	2

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 10 MONTH 10 TO MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	28.60	24.77	21.60	55	2.68	0.0	0.0	0.0	0
10	28.60	25.46	21.60	40	2.68	6.00	0.95	-0.59	40
20	28.50	27.52	26.16	20	0.73	7.19	1.78	-0.50	20
30	28.46	27.22	26.03	17	0.84	9.11	2.62	-0.55	17
50	26.93	25.51	23.66	9	1.10	62.00	16.56	0.15	9
75	25.38	21.20	14.08	8	4.17	29.72	15.26	3.00	8
100	23.46	18.45	13.24	5	3.64	21.59	11.53	4.00	5
125	20.68	15.89	12.41	4	3.56	15.95	9.51	3.31	4
150	18.34	14.37	11.74	4	2.91	6.00	3.58	0.33	4
200	15.06	12.97	10.89	2	2.94	6.55	4.27	2.00	2
250	11.17	10.60	10.03	2	0.80	3.00	2.35	1.71	2
300	10.01	9.64	9.28	2	0.51	2.66	1.83	1.00	2
400	8.76	8.48	8.20	2	0.39	1.07	0.93	0.79	2
500	7.42	7.35	7.29	2	0.09	1.68	1.34	1.00	2

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 11 MONTH 1 TO MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	8.10	6.99	6.20	10	0.56	0.0	0.0	0.0	0
10	8.10	7.03	6.07	10	0.60	2.50	0.32	-1.89	10
20	8.09	7.03	6.02	10	0.61	0.50	-0.06	-0.50	10
30	8.08	7.02	5.92	10	0.65	1.00	0.23	0.0	10
50	8.08	6.98	5.74	10	0.67	0.89	0.08	-0.66	10
75	7.90	6.98	5.66	10	0.68	7.66	0.55	-1.50	10
100	7.38	6.65	5.51	10	0.48	5.00	1.84	-0.03	10
125	6.91	6.38	5.72	10	0.41	3.71	0.44	-2.75	10
150	7.02	6.35	5.69	10	0.42	1.59	0.34	-1.07	10
200	6.49	5.92	5.40	10	0.32	1.50	1.09	0.51	10
250	5.63	5.26	4.73	10	0.27	2.09	1.28	0.73	10
300	5.15	4.90	4.38	8	0.25	1.07	0.73	0.23	8
400	4.58	4.38	3.97	8	0.18	0.70	0.42	0.19	8
500	4.31	4.14	4.03	7	0.09	0.30	0.22	0.0	7

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 11 MONTH 4 TO MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	13.40	8.72	6.60	15	2.06	0.0	0.0	0.0	0
10	11.60	8.36	6.48	15	1.70	7.19	2.26	-3.59	15
20	11.45	8.22	6.50	15	1.64	4.69	1.47	-0.29	15
30	10.94	7.87	6.48	15	1.30	20.00	4.78	-1.00	15
50	8.48	7.22	6.47	15	0.62	9.00	2.59	0.25	15
75	7.88	6.71	6.01	15	0.51	4.79	1.30	0.0	15
100	7.13	6.44	5.90	15	0.42	5.50	1.33	-2.00	15
125	6.73	6.21	5.56	15	0.35	3.00	0.88	-0.50	15
150	6.70	6.11	5.29	15	0.40	1.28	0.11	-2.08	15
200	6.19	5.69	4.77	15	0.45	1.59	1.00	0.25	15
250	5.80	5.24	4.41	15	0.43	1.50	0.94	0.05	15
300	5.30	4.83	4.00	15	0.39	1.00	0.71	0.37	15
400	4.74	4.42	3.85	11	0.25	0.55	0.39	0.14	11
500	4.36	4.21	4.07	8	0.10	0.66	0.29	0.0	8

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 11 MONTH 7 TO MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	17.30	14.15	11.60	15	1.50	0.0	0.0	0.0	0
10	17.11	14.16	11.59	15	1.48	4.59	-0.25	-5.19	15
20	17.11	13.75	10.67	15	1.67	35.00	6.64	-0.09	15
30	15.07	12.35	8.81	15	1.88	41.19	16.03	0.09	15
50	9.62	8.39	7.34	15	0.77	33.75	15.93	2.00	15
75	7.91	7.03	6.10	15	0.52	10.51	4.74	1.33	15
100	7.26	6.42	5.74	15	0.49	4.00	1.98	-0.50	15
125	6.85	6.12	5.29	15	0.53	2.63	0.91	-0.66	15
150	6.87	6.16	5.50	15	0.47	1.00	-0.13	-1.43	15
200	6.45	5.83	5.09	15	0.47	1.75	0.82	0.16	15
250	5.93	5.33	4.51	15	0.42	1.95	1.05	0.46	15
300	5.73	4.86	4.22	14	0.42	1.43	0.79	0.39	14
400	4.84	4.36	3.98	10	0.29	0.63	0.45	0.19	10
500	4.50	4.26	4.06	7	0.16	0.36	0.24	0.17	7

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 11 MONTH 10 TO MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	13.00	10.34	8.70	5	2.04	0.0	0.0	0.0	0
10	12.77	10.16	8.32	5	2.00	2.39	1.19	0.0	5
20	12.77	10.16	8.30	5	2.00	0.19	0.01	-0.09	5
30	12.78	10.17	8.32	5	2.00	1.00	0.11	-0.33	5
50	12.46	10.01	8.30	5	1.81	28.00	10.90	0.0	5
75	8.92	8.11	7.03	5	0.76	16.00	5.14	0.08	5
100	7.02	6.61	6.03	5	0.41	10.26	5.47	1.00	5
125	6.90	6.46	6.00	4	0.43	1.00	-0.27	-1.00	4
150	7.02	6.51	6.24	4	0.36	1.00	-0.03	-1.43	4
200	6.60	6.06	5.72	4	0.38	1.43	1.18	1.00	4
250	5.74	5.44	5.18	4	0.26	1.81	1.20	0.75	4
300	5.24	4.97	4.80	4	0.19	1.41	0.82	0.39	4
400	4.83	4.46	4.27	3	0.31	0.57	0.40	0.13	3
500	4.38	4.25	4.12	2	0.18	0.28	0.24	0.19	2

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 12 MONTH 1 TO MONTH 3

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	10.80	8.57	6.34	178	1.03	0.0	0.0	0.0	0
10	10.68	8.57	6.48	177	1.01	10.19	-0.15	-6.89	177
20	10.64	8.65	6.72	177	0.97	8.00	-0.83	-12.00	177
30	10.59	8.75	6.76	177	0.94	9.59	-0.94	-12.19	177
50	10.62	8.91	6.91	159	0.94	5.19	-0.39	-5.50	159
75	10.61	9.00	7.36	130	0.88	7.33	0.35	-3.39	130
100	10.57	8.88	7.29	88	0.91	7.23	0.73	-2.00	88
125	10.38	8.61	7.21	42	0.89	5.00	1.25	-1.59	42
150	9.53	8.31	7.17	25	0.78	3.83	1.40	0.47	25
200	8.63	7.47	6.29	13	0.57	2.04	1.11	0.0	13
250	7.96	7.04	6.42	9	0.57	1.33	0.95	0.22	9
300	6.97	6.45	6.08	5	0.45	1.11	0.79	0.61	5
400	6.14	5.82	5.51	4	0.29	0.96	0.71	0.54	4
500	5.35	5.25	5.21	3	0.08	0.80	0.65	0.38	3

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 12 MONTH 4 TO MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	15.60	11.53	8.17	221	1.70	0.0	0.0	0.0	0
10	14.56	10.69	8.14	222	1.38	64.59	9.54	-10.79	221
20	12.30	9.71	7.86	218	1.00	42.79	9.16	-7.69	218
30	11.57	9.09	7.34	211	0.76	31.29	5.31	-5.79	210
50	10.51	8.51	6.73	202	0.72	13.04	2.44	-7.39	201
75	9.44	7.94	6.09	158	0.74	9.66	1.85	-1.82	158
100	9.36	7.43	5.91	110	0.74	5.95	1.52	-5.29	110
125	8.70	7.16	5.85	67	0.65	3.59	1.16	-3.25	67
150	8.46	6.94	5.80	46	0.57	4.00	1.07	0.0	46
200	7.48	6.52	5.93	31	0.43	2.00	0.84	0.09	31
250	6.71	6.19	5.68	19	0.30	1.27	0.68	0.0	19
300	6.27	5.87	5.56	10	0.21	1.42	0.86	0.59	10
400	5.59	5.29	5.14	7	0.15	0.56	0.44	0.28	7
500	5.14	4.90	4.83	7	0.11	0.46	0.38	0.30	7

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 12 MONTH 7 TO MONTH 9

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	17.63	13.03	9.45	109	1.57	0.0	0.0	0.0	0
10	16.90	11.28	8.02	108	1.60	90.00	20.35	-8.00	108
20	13.76	9.42	7.16	109	1.08	39.89	17.53	0.69	108
30	13.46	8.50	6.76	108	0.90	21.59	7.10	-1.50	108
50	13.47	7.61	6.28	103	0.80	16.25	3.99	-0.19	103
75	8.58	7.07	6.01	92	0.53	3.91	1.66	-1.27	92
100	8.05	6.84	5.92	72	0.47	3.95	0.99	-0.19	72
125	7.53	6.71	5.90	51	0.36	2.00	0.60	-0.83	51
150	7.34	6.65	5.88	38	0.31	1.95	0.54	-0.83	38
200	6.91	6.55	6.36	20	0.16	1.33	0.61	0.07	20
250	6.46	6.23	5.98	5	0.20	1.44	0.69	0.06	5
300	5.73	5.72	5.72	2	0.0	1.15	0.90	0.65	2
400	5.29	5.22	5.16	2	0.09	0.55	0.41	0.27	2
500	4.72	4.72	4.72	1	0.0	0.43	0.43	0.43	1

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 12 MONTH 10 TO MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	15.06	11.07	7.60	64	1.58	0.0	0.0	0.0	0
10	15.06	10.96	7.62	64	1.58	24.00	1.17	-10.00	64
20	14.86	10.61	7.69	64	1.46	44.75	3.84	-7.33	64
30	14.82	10.23	7.86	59	1.59	17.50	4.67	-4.00	59
50	14.52	9.30	6.99	54	1.69	20.94	5.32	-1.14	52
75	13.32	8.27	6.79	46	1.26	21.57	4.01	0.07	46
100	11.65	7.82	6.66	36	1.01	20.83	1.89	-0.92	36
125	8.64	7.48	6.18	22	0.63	6.31	1.40	0.0	22
150	8.26	7.50	6.89	17	0.46	2.50	0.78	0.0	17
200	7.76	7.23	6.76	8	0.40	1.42	0.75	0.25	8
250	7.10	6.65	6.48	5	0.26	1.21	0.81	0.50	5
300	6.24	6.21	6.13	4	0.05	0.53	0.49	0.39	4
400	5.79	5.67	5.61	4	0.07	0.58	0.54	0.44	4
500	5.32	5.16	5.06	4	0.11	0.57	0.54	0.51	4

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 13 MONTH 1 TO MONTH 3

DEPTH METERS						GRADIENT			
	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	11.92	10.88	9.50	22	0.65	0.0	0.0	0.0	0
10	12.04	10.92	9.50	20	0.68	2.19	-0.54	-5.39	20
20	12.03	10.88	9.50	17	0.69	5.19	0.98	-1.39	16
30	11.91	10.67	8.99	15	0.84	9.50	2.31	-2.29	15
50	11.17	10.48	9.49	9	0.66	7.94	2.67	0.0	9
75	10.01	9.37	9.02	5	0.43	9.41	4.43	1.00	5
100	9.50	8.81	8.21	5	0.49	2.00	1.36	0.0	5
125	9.05	8.47	8.14	4	0.41	2.08	0.73	-1.22	4
150	8.66	8.21	7.78	4	0.40	1.67	1.41	1.00	4
200	8.01	7.67	7.24	4	0.38	1.22	0.97	0.66	4
250	7.60	7.21	6.79	4	0.42	1.11	0.92	0.81	4
300	7.19	6.66	6.39	3	0.45	1.00	0.88	0.81	3
400	6.40	6.00	5.80	3	0.34	0.83	0.44	0.20	3
500	5.65	5.49	5.40	3	0.13	0.75	0.62	0.53	3

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 13 MONTH 4 TO MONTH 6

DEPTH METERS						GRADIENT			
	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	15.20	11.05	8.31	39	1.90	0.0	0.0	0.0	0
10	13.33	10.35	7.68	34	1.56	30.69	7.05	-12.29	34
20	12.49	9.84	7.16	29	1.46	19.39	5.80	-0.39	29
30	12.29	9.67	7.31	26	1.44	10.19	3.55	0.09	26
50	12.14	8.99	7.30	21	1.18	14.88	3.05	0.0	21
75	9.86	8.66	6.97	16	0.84	16.25	2.55	-0.19	16
100	9.39	8.28	7.03	16	0.71	2.06	1.15	-0.23	16
125	9.02	8.00	7.07	15	0.58	3.00	1.47	-0.15	15
150	8.74	7.67	7.04	15	0.47	2.79	1.00	-1.00	15
200	8.52	7.22	6.73	15	0.45	2.00	0.87	0.0	15
250	7.81	6.79	6.37	13	0.38	2.34	0.89	0.21	13
300	6.86	6.39	5.65	13	0.33	1.89	0.81	0.29	13
400	6.20	5.75	5.22	12	0.27	1.09	0.57	0.13	12
500	5.79	5.27	4.85	10	0.28	0.69	0.41	0.0	10

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 13 MONTH 7 TO MONTH 9

DEPTH METERS						GRADIENT			
	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	15.72	12.35	8.85	47	1.51	0.0	0.0	0.0	0
10	15.70	11.27	8.17	43	1.67	42.39	10.92	-4.19	42
20	14.31	10.54	7.95	38	1.40	30.39	8.38	-4.00	38
30	13.08	9.98	7.97	36	1.20	20.69	5.54	-6.59	36
50	11.39	9.42	7.91	29	0.89	8.19	2.72	-3.44	29
75	10.08	8.83	7.85	24	0.64	9.26	2.50	-0.50	24
100	9.33	8.45	7.69	19	0.48	3.39	1.41	0.11	19
125	9.29	8.16	7.63	17	0.44	2.55	0.99	0.07	17
150	9.26	7.95	7.47	15	0.48	2.07	0.95	0.11	15
200	9.03	7.55	6.93	14	0.58	2.12	0.89	-0.37	14
250	8.67	7.10	6.23	14	0.67	1.72	0.86	0.23	14
300	8.18	6.66	5.98	14	0.65	1.43	0.89	0.37	14
400	6.12	5.77	5.21	11	0.29	1.21	0.42	-0.39	11
500	5.51	5.33	4.86	11	0.19	1.00	0.53	0.27	11

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 13 MONTH 10 TO MONTH 12

DEPTH METERS						GRADIENT			
	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	14.51	11.53	10.22	20	0.96	0.0	0.0	0.0	0
10	14.51	11.49	10.07	19	0.99	9.29	0.23	-7.39	19
20	14.11	11.28	9.70	14	0.98	14.69	4.34	-0.69	13
30	13.39	10.98	9.28	14	0.92	9.75	2.59	-2.19	14
50	11.73	10.57	9.27	9	0.72	8.00	2.63	0.04	9
75	10.58	9.94	8.89	5	0.78	9.22	4.15	0.19	5
100	10.55	9.32	8.33	5	0.86	2.69	1.18	0.11	5
125	9.86	8.74	8.05	4	0.81	2.75	1.46	0.0	4
150	9.21	8.41	7.76	4	0.60	2.59	1.27	0.25	4
200	8.03	7.66	7.25	4	0.32	2.35	1.28	0.66	4
250	7.83	7.36	6.91	4	0.37	0.69	0.55	0.39	4
300	7.30	6.95	6.63	4	0.32	1.26	0.80	0.37	4
400	6.45	6.11	5.75	3	0.35	0.72	0.60	0.44	3
500	5.54	5.41	5.29	2	0.17	0.59	0.56	0.52	2

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 14 MONTH 1 TO MONTH 3

DEPTH							GRADIENT		
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	15.41	13.27	10.75	78	1.06	0.0	0.0	0.0	0
10	15.29	13.09	10.67	85	1.12	11.00	1.07	-0.33	80
20	15.13	12.92	10.29	85	1.16	16.00	1.93	-0.19	85
30	15.14	12.68	10.00	85	1.25	18.39	2.84	-0.09	85
50	14.60	11.79	9.62	85	1.17	17.66	5.28	0.04	85
75	12.68	10.76	9.17	77	0.90	11.00	3.36	0.0	77
100	11.63	10.15	8.92	74	0.75	6.33	2.09	0.0	74
125	11.23	9.70	8.47	70	0.67	5.45	1.82	0.0	70
150	10.63	9.32	8.00	69	0.58	3.63	1.29	0.0	69
200	9.64	8.73	7.40	62	0.49	2.64	1.09	0.19	62
250	9.13	8.30	7.26	56	0.46	2.09	0.87	0.19	56
300	8.58	7.86	7.16	54	0.39	2.04	0.99	0.25	55
400	7.65	6.93	6.35	47	0.30	1.82	0.86	0.33	47
500	6.87	6.25	5.76	42	0.22	0.93	0.61	0.28	42

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 14 MONTH 4 TO MONTH 6

DEPTH							GRADIENT		
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	15.21	12.21	9.75	72	1.12	0.0	0.0	0.0	0
10	14.00	11.89	9.74	76	0.99	22.50	3.21	-0.39	73
20	13.94	11.46	8.71	76	0.97	18.79	4.70	-0.59	76
30	13.64	11.00	8.37	77	0.95	14.50	4.75	0.0	77
50	12.77	10.23	8.27	76	0.79	12.00	3.73	-3.00	76
75	10.92	9.53	8.13	72	0.46	7.00	2.09	-1.00	72
100	10.00	9.16	8.00	63	0.36	4.15	1.28	0.0	63
125	9.66	8.92	7.90	60	0.34	2.11	0.85	-1.25	60
150	9.40	8.72	7.74	60	0.34	2.00	0.81	0.0	60
200	8.82	8.29	7.47	50	0.34	2.16	0.75	0.0	50
250	8.56	7.92	7.18	46	0.33	1.58	0.73	0.02	46
300	8.14	7.55	6.68	44	0.31	1.39	0.70	0.15	44
400	7.55	6.88	6.00	36	0.31	1.34	0.71	0.13	36
500	6.70	6.22	5.62	31	0.28	1.38	0.64	0.22	31

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 14 MONTH 7 TO MONTH 9

DEPTH							GRADIENT		
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	18.50	14.62	11.18	39	2.23	0.0	0.0	0.0	0
10	18.34	14.11	10.65	40	2.01	34.66	6.74	-0.11	39
20	17.24	13.07	10.10	40	1.66	38.69	10.01	0.0	42
30	16.95	12.16	9.86	40	1.52	23.39	8.99	-0.09	40
50	14.16	10.90	9.38	41	1.13	22.00	5.95	-2.00	41
75	13.40	10.14	9.05	37	0.88	10.36	3.09	-0.33	37
100	12.63	9.63	8.86	32	0.72	3.50	1.39	0.0	32
125	11.86	9.35	8.73	32	0.56	3.67	1.04	0.0	32
150	10.93	9.13	8.56	32	0.43	3.81	0.91	-0.29	32
200	9.39	8.71	8.12	30	0.30	3.07	0.66	0.0	30
250	8.74	8.30	7.51	27	0.32	1.75	0.79	0.0	27
300	8.40	7.86	7.01	28	0.35	1.97	0.82	0.21	28
400	7.62	7.06	6.29	27	0.33	1.75	0.76	0.03	27
500	6.66	6.29	5.66	22	0.28	2.59	0.73	0.0	22

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 14 MONTH 10 TO MONTH 12

DEPTH							GRADIENT		
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	18.49	15.13	12.10	49	1.57	0.0	0.0	0.0	0
10	18.48	14.93	11.99	48	1.55	29.00	3.29	-1.59	48
20	17.14	14.27	11.11	49	1.49	29.71	6.02	0.0	49
30	16.86	13.56	10.82	49	1.53	22.79	7.75	-0.09	49
50	15.53	11.91	10.22	48	1.21	27.72	7.73	1.00	48
75	12.43	10.60	9.34	42	0.69	12.00	3.44	0.33	42
100	11.69	9.97	9.05	40	0.55	5.87	2.38	0.39	40
125	10.64	9.54	8.66	35	0.47	4.03	1.40	-1.79	35
150	10.21	9.25	8.27	34	0.43	2.64	1.17	0.0	34
200	9.43	8.73	7.73	32	0.41	1.77	0.98	0.17	32
250	9.04	8.28	7.21	30	0.43	5.00	0.91	-0.19	30
300	8.50	7.79	6.72	27	0.42	2.59	1.18	0.54	27
400	7.56	6.85	6.12	24	0.32	1.75	0.87	0.33	24
500	6.51	6.08	5.53	21	0.26	1.20	0.67	0.07	21

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 15 MONTH 1 TO MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT			
						MAX	AVG	MIN	NUM
0	12.82	11.40	10.58	6	0.76	0.0	0.0	0.0	0
10	12.81	11.41	10.58	6	0.76	0.12	-0.06	-0.39	6
20	12.80	11.39	10.55	6	0.76	0.69	0.23	0.0	6
30	12.79	11.38	10.55	6	0.75	0.09	-0.01	-0.19	6
50	12.81	11.38	10.56	6	0.76	0.14	0.01	-0.12	6
75	12.80	11.33	10.48	6	0.78	4.00	0.77	0.0	6
100	12.81	10.43	9.50	6	1.21	11.00	5.13	0.11	6
125	10.55	9.40	9.02	6	0.57	7.00	3.77	1.91	6
150	9.16	8.74	8.39	6	0.25	4.50	2.44	1.03	6
200	8.28	8.00	7.63	6	0.29	1.87	1.21	0.53	6
250	7.84	7.54	7.22	6	0.29	1.18	0.87	0.67	6
300	7.37	7.02	6.61	6	0.31	1.43	1.10	0.75	6
400	6.21	6.02	5.75	6	0.19	1.20	0.97	0.70	6
500	5.48	5.36	5.17	6	0.12	1.00	0.69	0.35	6

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 15 MONTH 4 TO MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT			
						MAX	AVG	MIN	NUM
0	14.93	12.16	9.70	8	1.74	0.0	0.0	0.0	0
10	14.61	12.14	9.78	8	1.63	3.19	0.94	-0.59	8
20	14.38	11.89	9.75	8	1.40	13.29	2.49	-0.09	8
30	13.35	11.59	9.75	8	1.11	13.66	3.14	0.0	8
50	11.91	11.00	9.74	8	0.82	16.00	4.33	-0.09	8
75	10.93	9.86	8.84	8	0.78	6.76	3.72	0.0	8
100	10.21	9.23	8.07	8	0.69	4.66	2.46	0.66	8
125	9.49	8.67	7.73	8	0.56	4.11	2.19	0.71	8
150	9.00	8.22	7.53	8	0.48	3.41	1.52	0.75	8
200	8.20	7.66	7.13	8	0.34	1.59	0.94	0.36	8
250	7.46	7.14	6.61	8	0.27	1.66	1.06	0.33	8
300	6.95	6.56	6.08	8	0.25	1.78	1.23	0.83	8
400	5.94	5.55	5.19	8	0.28	1.26	0.83	0.59	8
500	5.28	4.96	4.71	8	0.20	0.86	0.47	0.11	8

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 15 MONTH 7 TO MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT			
						MAX	AVG	MIN	NUM
0	18.96	17.37	15.15	11	1.44	0.0	0.0	0.0	0
10	18.95	16.87	14.82	13	1.23	13.09	3.32	-0.09	11
20	18.77	16.56	14.74	13	1.28	9.89	3.20	-0.50	13
30	18.28	15.73	13.90	13	1.35	19.83	12.33	3.87	13
50	15.48	13.22	11.76	13	1.09	24.00	14.48	7.84	13
75	11.47	10.51	9.39	12	0.62	18.25	8.30	1.50	12
100	10.41	9.30	8.55	13	0.60	6.79	3.53	1.50	13
125	9.50	8.65	7.94	13	0.54	3.63	2.59	1.39	13
150	8.84	8.18	7.52	13	0.47	2.88	1.48	0.0	13
200	8.25	7.68	7.29	13	0.27	1.62	1.00	-0.43	13
250	7.63	7.13	6.89	13	0.20	1.66	1.13	0.67	13
300	7.06	6.61	6.33	13	0.19	1.36	1.00	0.50	13
400	6.26	5.76	5.40	12	0.25	1.33	0.81	0.40	12
500	5.72	5.14	4.86	12	0.25	0.83	0.55	0.33	12

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 15 MONTH 10 TO MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT			
						MAX	AVG	MIN	NUM
0	17.20	16.66	16.00	3	0.60	0.0	0.0	0.0	0
10	17.20	16.65	15.99	3	0.61	0.59	0.23	0.0	3
20	17.20	16.62	15.94	3	0.63	0.55	0.11	-0.19	3
30	17.19	16.57	15.89	3	0.65	1.39	0.83	0.50	3
50	16.39	15.99	15.79	3	0.34	7.39	5.09	0.50	3
75	12.86	12.28	11.87	3	0.51	19.44	13.81	11.00	3
100	10.74	10.24	9.90	3	0.44	6.28	5.35	4.00	3
125	9.45	9.33	9.19	3	0.13	5.15	3.15	0.73	3
150	9.10	8.77	8.52	3	0.29	2.22	1.65	1.03	3
200	8.21	7.93	7.71	3	0.25	1.94	1.55	0.93	3
250	7.56	7.22	7.00	3	0.29	1.69	1.41	1.11	3
300	7.05	7.05	7.05	1	0.0	1.01	1.01	1.01	1
400	6.17	6.17	6.17	1	0.0	0.86	0.86	0.86	1
500	5.53	5.53	5.53	1	0.0	0.59	0.59	0.59	1

Table VI-2.--Continued

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 16 MONTH 1 TO MONTH 3

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	15.67	12.64	11.08	31	0.96	0.0	0.0	0.0	0
10	15.67	12.54	11.06	32	0.99	5.59	0.89	-0.59	32
20	15.68	12.46	11.07	32	1.02	4.50	0.82	-0.29	32
30	15.68	12.37	11.04	32	1.07	9.39	0.90	-4.00	32
50	15.65	12.09	10.14	32	1.20	11.00	2.07	-0.44	32
75	14.17	11.03	9.48	32	1.15	12.33	5.07	0.0	32
100	12.03	9.85	8.72	32	0.87	12.21	3.63	-0.66	32
125	10.27	9.11	8.34	32	0.51	12.87	2.61	-0.51	32
150	9.84	8.62	7.97	32	0.45	4.23	1.68	0.29	32
200	9.25	7.99	7.33	32	0.47	2.33	1.24	0.0	32
250	8.78	7.44	6.82	32	0.49	2.05	1.09	0.03	32
300	8.41	6.88	6.16	32	0.53	2.23	1.20	0.72	32
400	7.70	5.98	5.34	31	0.56	1.34	0.72	0.09	31
500	6.74	5.37	4.76	29	0.47	1.23	0.55	0.0	29

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 16 MONTH 4 TO MONTH 6

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	17.34	13.27	10.90	46	1.33	0.0	0.0	0.0	0
10	17.32	12.99	10.44	50	1.26	35.00	3.50	-2.00	48
20	15.74	12.62	8.89	50	1.26	41.09	3.56	-1.59	50
30	14.88	12.25	7.44	48	1.25	26.50	3.33	-3.83	48
50	14.45	11.61	7.30	48	1.18	41.00	4.57	-1.14	48
75	14.30	10.53	8.64	46	1.16	22.59	5.36	0.0	46
100	11.55	9.52	8.53	47	0.72	14.89	3.22	-2.28	47
125	10.11	8.96	8.12	47	0.47	6.50	2.08	0.47	47
150	9.85	8.57	7.80	47	0.41	2.50	1.21	0.22	47
200	9.11	7.97	7.34	47	0.38	2.09	1.29	0.50	47
250	8.36	7.35	6.88	45	0.37	2.05	1.19	0.14	45
300	7.66	6.82	6.15	45	0.37	1.93	1.08	0.40	45
400	6.75	5.94	5.28	45	0.36	1.50	0.74	-0.66	45
500	5.94	5.33	4.86	44	0.27	1.12	0.53	-0.28	44

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 16 MONTH 7 TO MONTH 9

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	18.90	15.64	13.13	40	1.19	0.0	0.0	0.0	0
10	18.53	15.32	12.80	45	1.30	25.11	2.60	-0.39	41
20	18.33	14.83	12.09	45	1.56	26.09	5.61	-0.09	45
30	18.22	14.06	11.06	45	1.83	32.00	9.66	0.0	45
50	16.09	11.86	9.23	45	1.85	36.37	11.50	1.19	45
75	13.43	10.24	8.29	44	1.39	12.77	4.89	-2.00	44
100	12.11	9.43	8.09	43	1.14	11.36	2.88	-0.75	43
125	11.64	8.86	7.94	44	0.83	9.00	2.27	-0.25	44
150	9.97	8.41	7.66	44	0.57	7.19	1.53	-0.19	44
200	8.90	7.81	7.06	44	0.50	2.91	1.30	0.19	44
250	8.10	7.20	6.48	44	0.45	2.18	1.24	0.14	44
300	7.54	6.66	5.96	44	0.38	2.33	1.03	0.02	44
400	6.62	5.85	5.19	42	0.34	1.27	0.70	-0.04	42
500	5.97	5.27	4.70	39	0.30	1.25	0.29	-8.00	39

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 16 MONTH 10 TO MONTH 12

DEPTH						GRADIENT			
METERS	MAX	AVG	MIN	NUM	SDEV	MAX	AVG	MIN	NUM
0	17.30	15.58	13.31	28	1.14	0.0	0.0	0.0	0
10	17.28	15.50	13.25	28	1.13	19.00	1.57	-1.00	28
20	17.28	15.27	12.85	28	1.23	17.89	2.35	-0.19	28
30	17.22	14.77	12.14	28	1.39	21.59	6.62	0.0	28
50	15.85	12.67	10.31	28	1.61	36.00	12.88	-7.50	28
75	12.61	10.64	8.86	28	1.14	18.25	6.61	0.77	28
100	11.34	9.54	8.34	28	0.77	10.50	3.56	1.00	28
125	10.25	8.90	7.86	28	0.56	5.75	2.18	0.0	28
150	9.31	8.48	7.53	28	0.49	3.23	1.53	-0.26	28
200	8.56	7.90	7.17	27	0.41	2.72	1.27	0.43	27
250	7.89	7.28	6.66	27	0.37	1.88	1.22	0.43	27
300	7.47	6.70	6.03	27	0.36	1.73	1.15	0.41	27
400	6.33	5.78	5.31	25	0.27	1.45	0.84	0.37	25
500	5.54	5.26	4.81	20	0.22	1.47	0.44	0.0	20

Table VI-2.--Concluded

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 17 MONTH 1 TO MONTH 3

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	16.26	15.08	13.06	15	0.87	0.0	0.0	0.0	0
10	16.28	15.05	13.03	15	0.90	3.19	0.24	-0.62	15
20	16.28	15.01	12.60	15	0.99	4.29	0.41	-0.33	15
30	16.28	14.98	12.33	15	1.06	2.69	0.43	-0.29	15
50	16.29	14.87	12.23	15	1.12	4.70	0.52	-0.56	15
75	16.22	14.67	11.75	15	1.22	14.66	3.51	-6.09	15
100	16.43	13.48	10.61	15	1.40	17.39	6.51	-2.21	15
125	14.77	11.94	10.13	15	1.10	8.84	5.03	-1.33	15
150	12.86	10.77	9.49	15	0.84	11.21	4.81	2.38	15
200	10.06	9.23	8.77	15	0.36	5.39	1.99	-1.79	15
250	9.09	8.42	7.87	15	0.33	3.00	1.87	0.65	15
300	8.09	7.59	6.91	15	0.37	2.30	1.61	0.82	15
400	7.21	6.23	5.81	15	0.36	1.62	1.24	0.88	15
500	5.99	5.39	4.92	15	0.28	1.26	0.73	0.33	15

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 17 MONTH 4 TO MONTH 6

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	17.65	15.69	12.88	11	1.43	0.0	0.0	0.0	0
10	17.45	15.60	12.67	11	1.41	20.00	5.46	-0.25	11
20	16.68	15.15	12.67	11	1.09	17.19	4.51	-0.29	11
30	16.54	14.81	12.67	11	1.02	13.00	5.07	-0.29	11
50	15.49	14.27	12.38	11	0.81	7.00	1.84	-0.05	11
75	15.46	14.00	12.03	11	0.98	9.00	1.98	-1.39	11
100	15.59	13.03	10.74	11	1.31	8.36	4.66	0.61	11
125	14.35	11.67	9.77	11	1.14	11.36	5.51	1.89	11
150	12.44	10.42	9.09	11	0.90	10.00	5.28	1.00	11
200	9.73	9.25	8.53	11	0.38	3.53	1.53	-0.25	11
250	9.05	8.48	7.75	11	0.42	1.87	1.50	0.77	11
300	8.28	7.68	7.06	11	0.39	2.66	1.71	1.37	11
400	6.62	6.28	5.74	11	0.30	1.91	1.11	0.0	11
500	5.90	5.49	5.14	10	0.20	0.94	0.66	0.42	10

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 17 MONTH 7 TO MONTH 9

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	19.76	18.22	16.96	15	0.80	0.0	0.0	0.0	0
10	19.74	18.13	16.95	15	0.85	14.79	0.85	-2.50	15
20	19.69	18.04	16.63	15	0.82	6.79	0.87	-2.29	15
30	19.44	17.82	16.13	15	0.95	23.00	5.44	-1.50	15
50	18.47	16.09	14.09	15	1.44	22.50	9.21	1.47	15
75	16.56	14.45	12.92	15	1.25	17.91	4.96	0.66	15
100	15.72	13.42	11.85	15	1.31	7.00	4.25	-0.13	15
125	14.43	12.33	10.63	15	1.28	7.95	4.13	0.50	15
150	12.83	11.11	9.76	15	1.02	9.64	4.75	1.57	15
200	10.11	9.33	8.77	14	0.39	6.64	2.65	1.22	14
250	9.17	8.51	7.98	15	0.35	2.17	1.62	0.66	15
300	8.53	7.73	7.22	15	0.36	2.00	1.57	0.85	15
400	7.57	6.44	5.97	15	0.40	1.61	1.11	0.44	15
500	6.89	5.60	5.19	15	0.42	1.00	0.67	0.10	15

NODC VERTICAL ARRAY SUMMARY - TEMPERATURE

AREA 17 MONTH 10 TO MONTH 12

DEPTH METERS	MAX	AVG	MIN	NUM	SDEV	GRADIENT MAX	GRADIENT AVG	GRADIENT MIN	GRADIENT NUM
0	20.02	18.38	16.29	9	1.09	0.0	0.0	0.0	0
10	20.00	18.37	16.23	9	1.09	1.00	0.11	-0.19	9
20	20.00	18.39	16.22	9	1.08	0.22	-0.22	-1.89	9
30	19.99	18.40	16.21	9	1.07	5.00	0.41	-1.00	9
50	19.16	17.63	16.21	9	0.87	19.50	8.12	-1.09	9
75	16.42	14.99	13.43	9	1.10	19.33	8.67	0.28	9
100	15.32	13.61	11.75	9	1.11	11.08	5.25	-0.92	9
125	14.86	12.32	10.75	10	1.19	8.87	4.11	1.15	10
150	12.93	11.12	10.17	10	0.93	9.50	3.24	-15.59	10
200	10.29	9.49	8.87	10	0.41	5.42	2.48	0.58	10
250	9.33	8.58	8.14	10	0.32	2.61	1.67	0.70	10
300	8.53	7.70	7.18	10	0.36	2.33	1.91	1.58	10
400	6.70	6.30	6.08	8	0.19	1.86	1.21	0.70	8
500	5.59	5.43	5.14	8	0.13	1.15	0.80	0.53	8

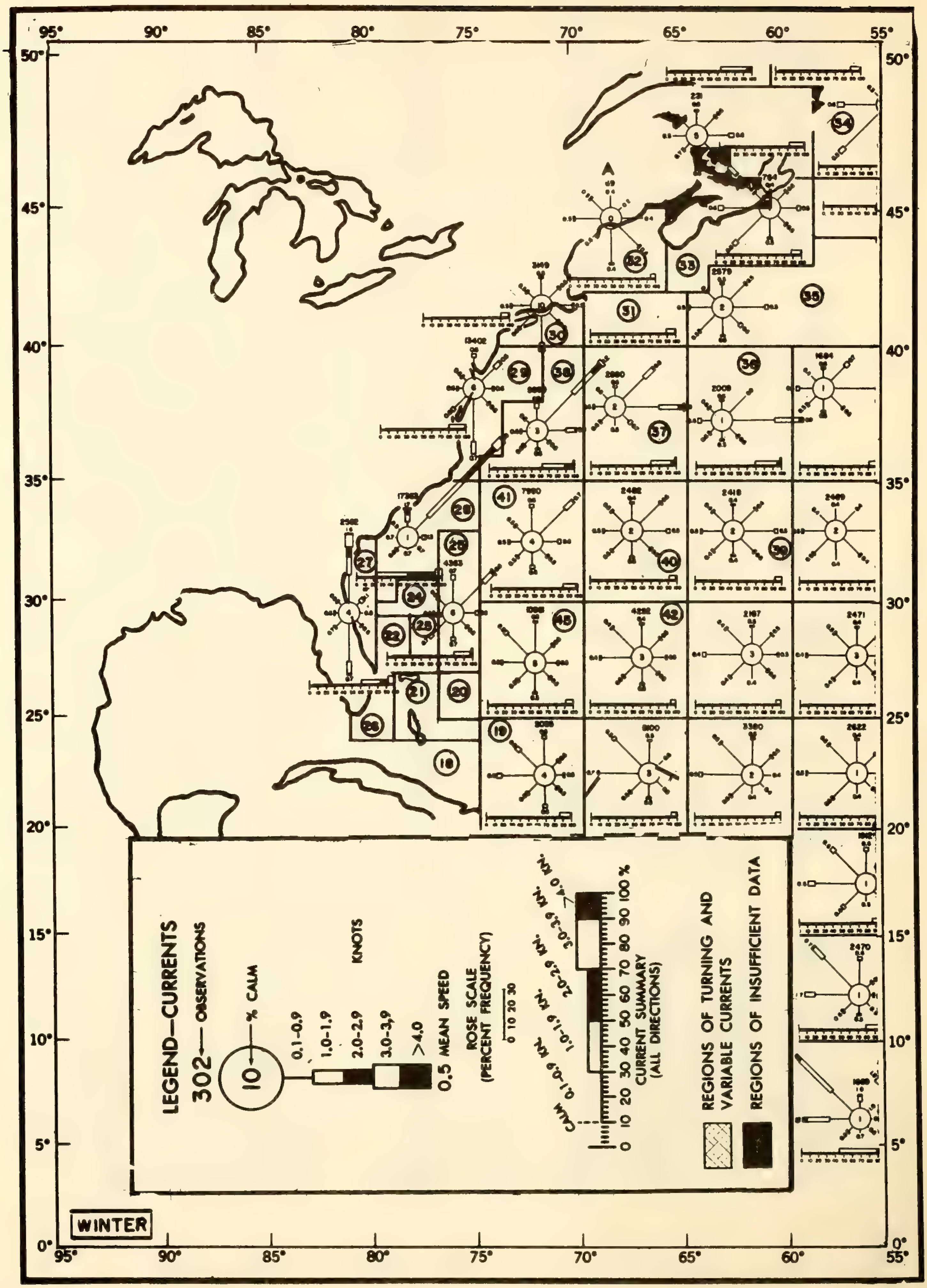


Figure VI-9.--Surface current roses by region and season: western North Atlantic, winter.

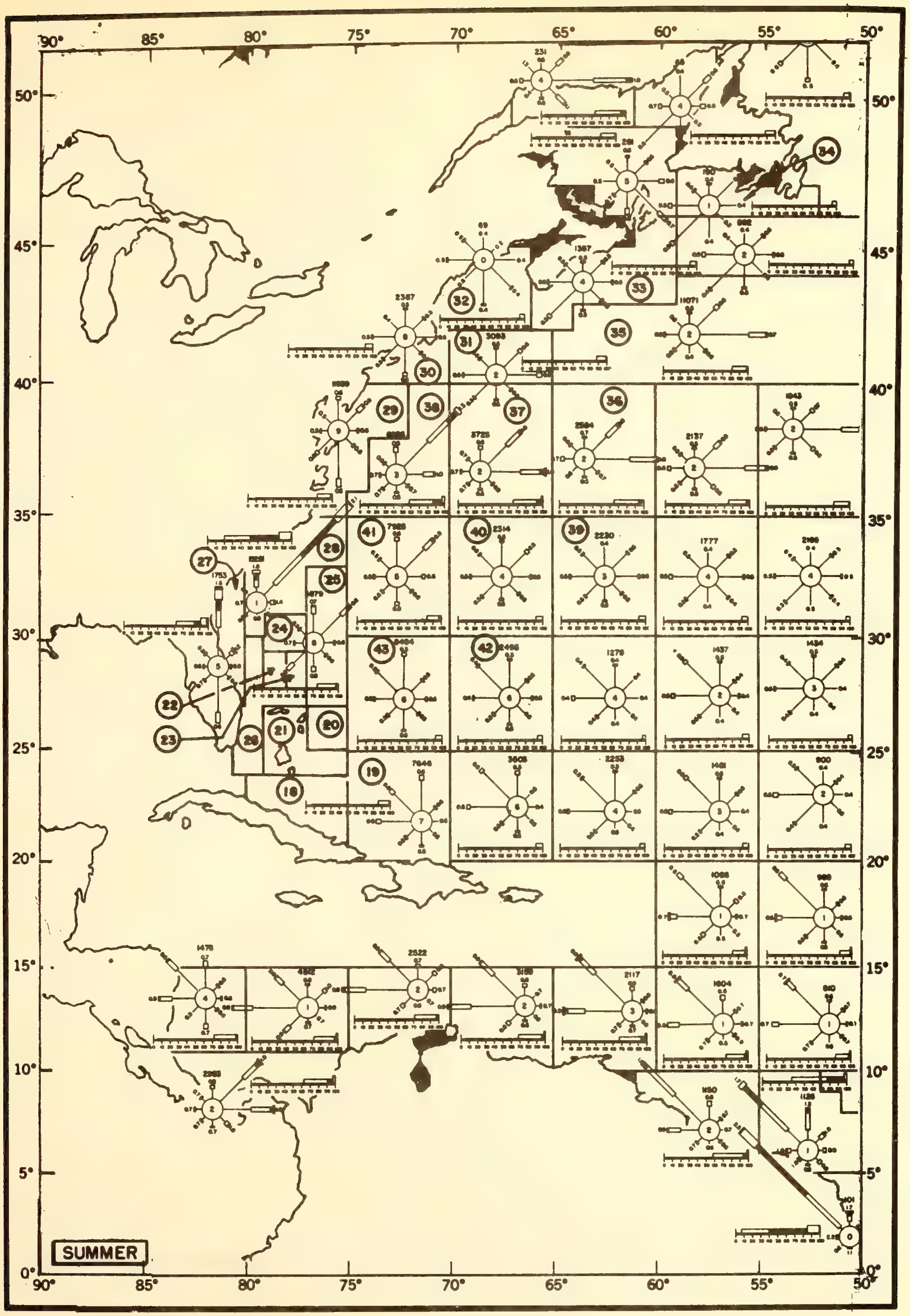


Figure VI-10.--Surface current roses by region and season: western North Atlantic, summer.

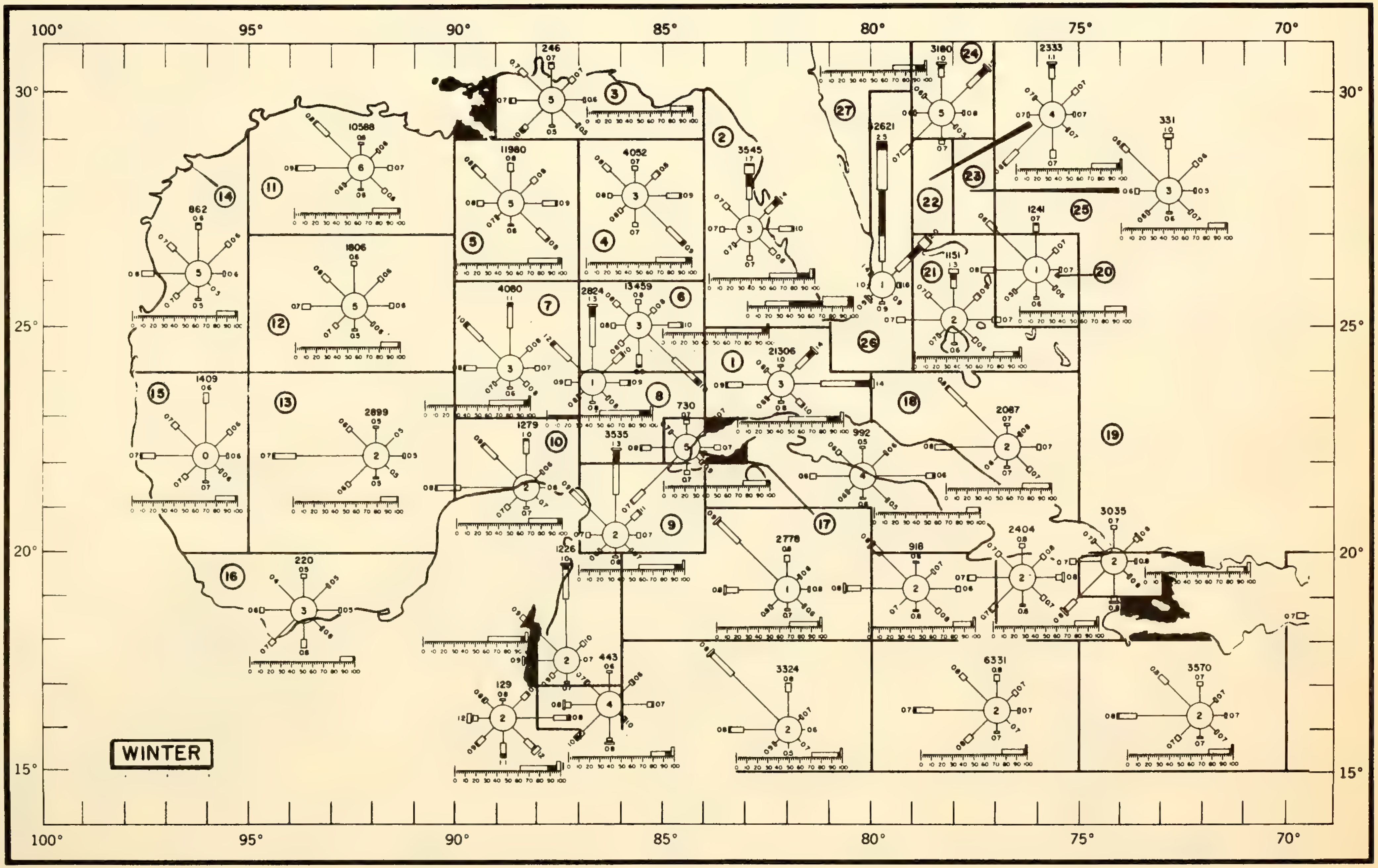


Figure VI-11.--Surface current roses by region and season: Gulf of Mexico, winter.

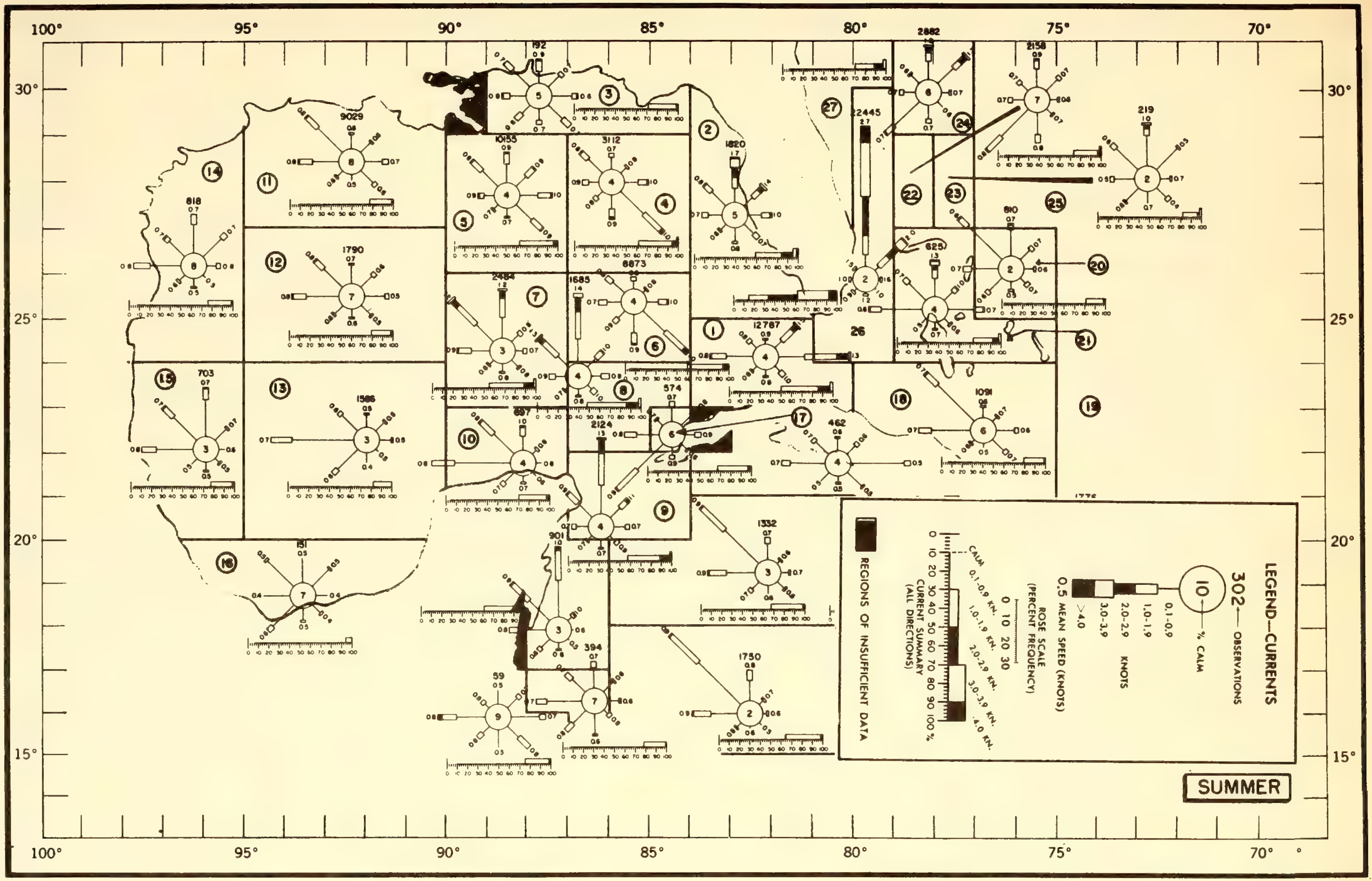


Figure VI-12.--Surface current roses by region and season: Gulf of Mexico, summer.

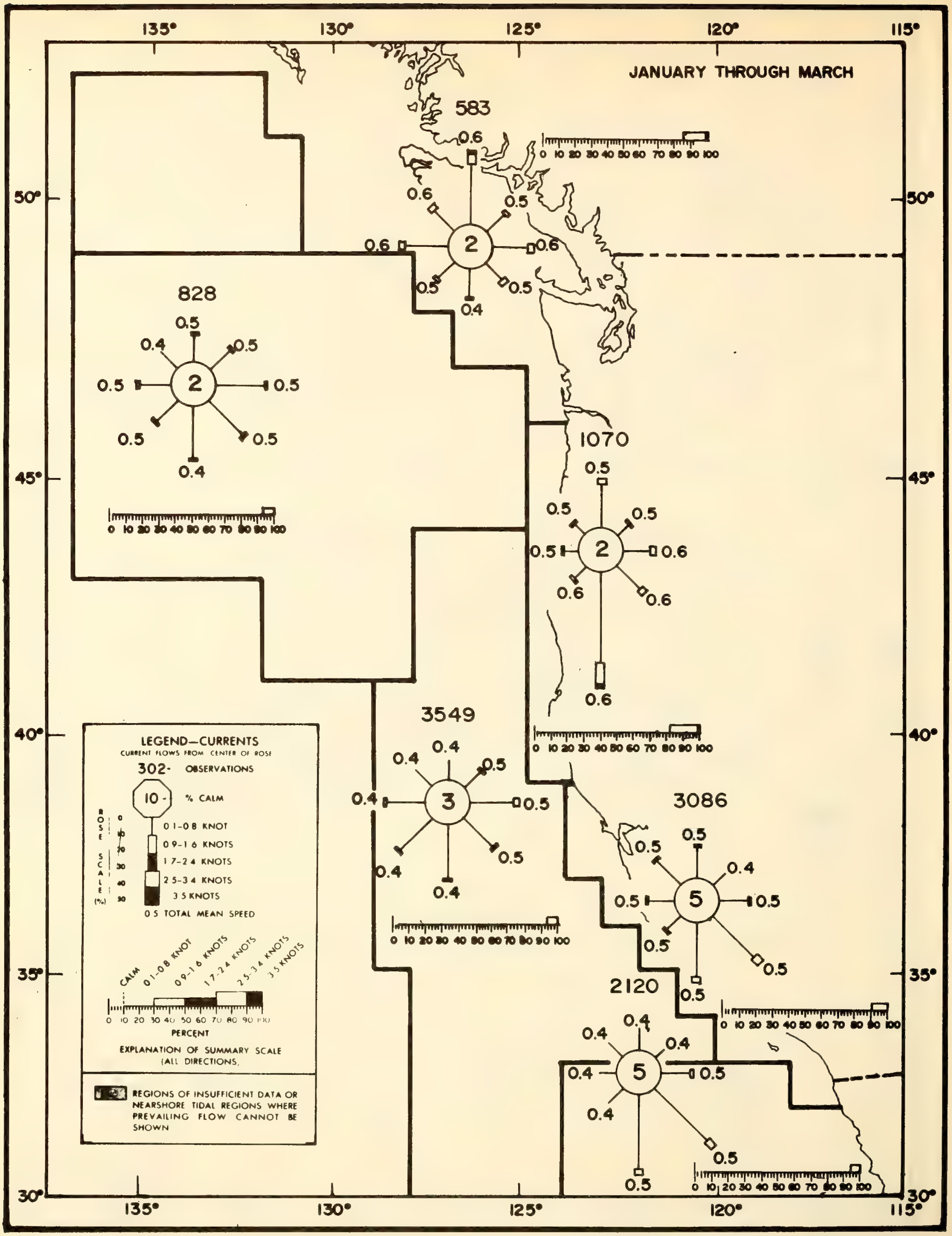


Figure VI-13.--Surface current roses by region and season: eastern North Pacific, winter.

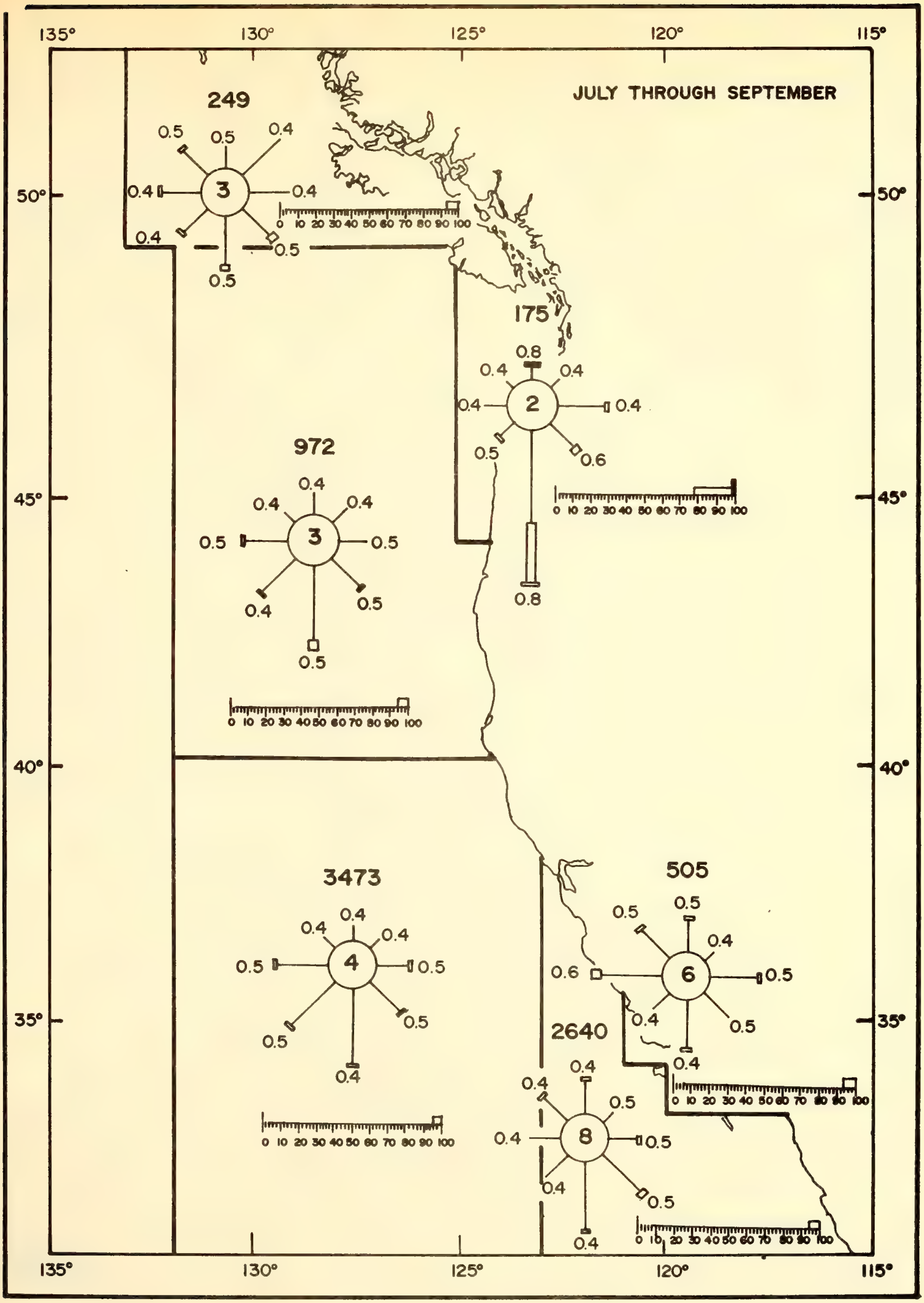


Figure VI-14.--Surface current roses by region and season: eastern North Pacific, summer.

a. Maximum observed current speeds

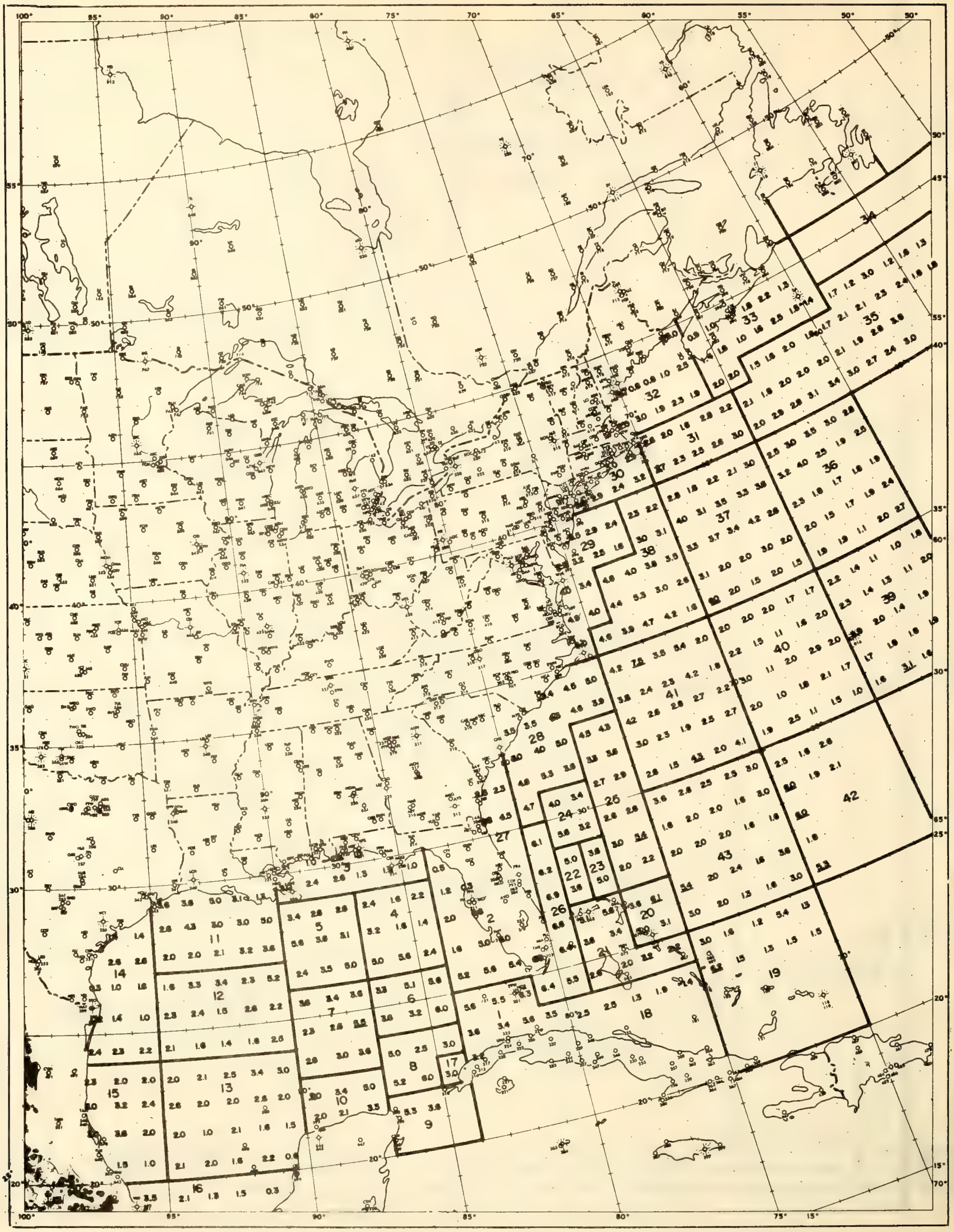


Figure VI-15.--Maximum observed current speeds (kt), western North Atlantic and Gulf of Mexico, winter.

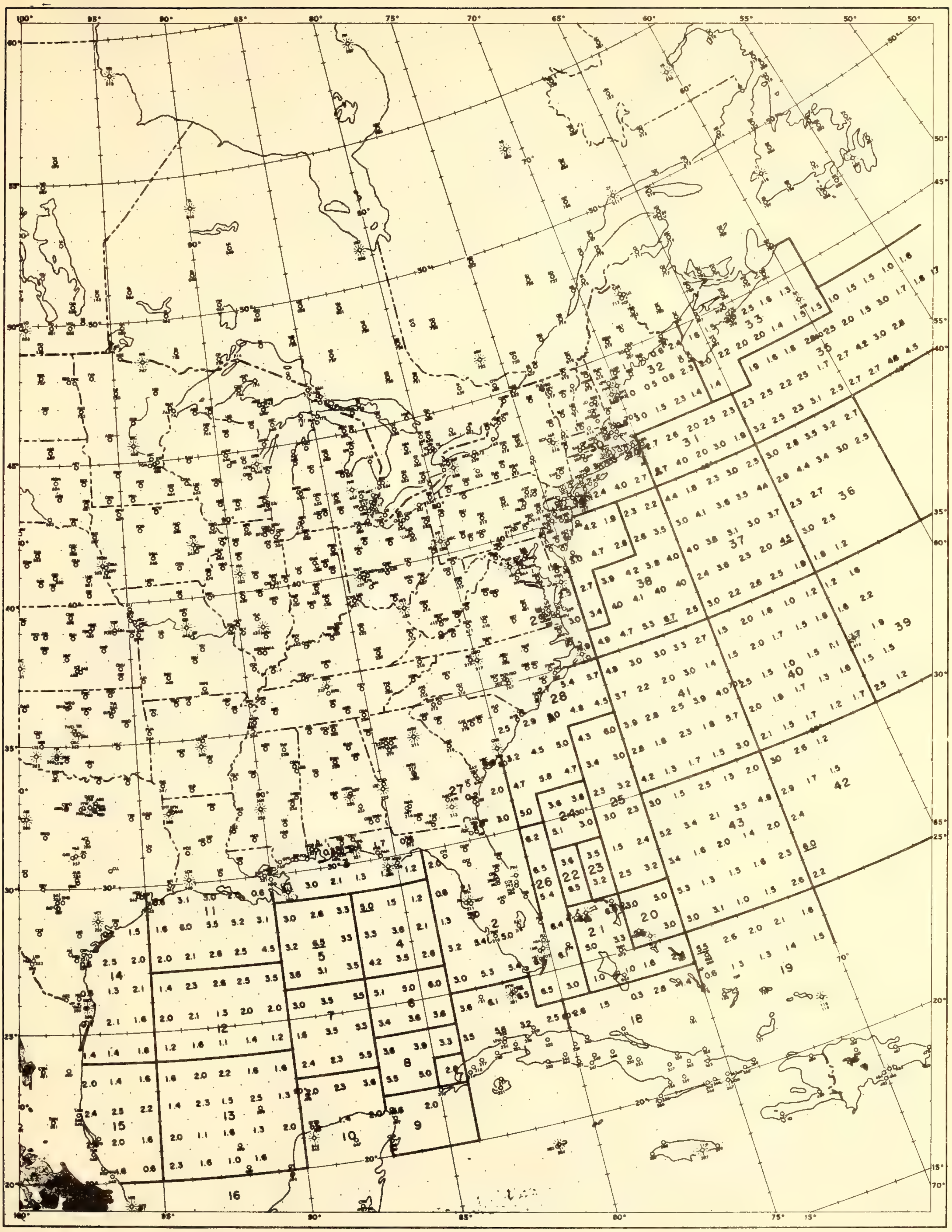
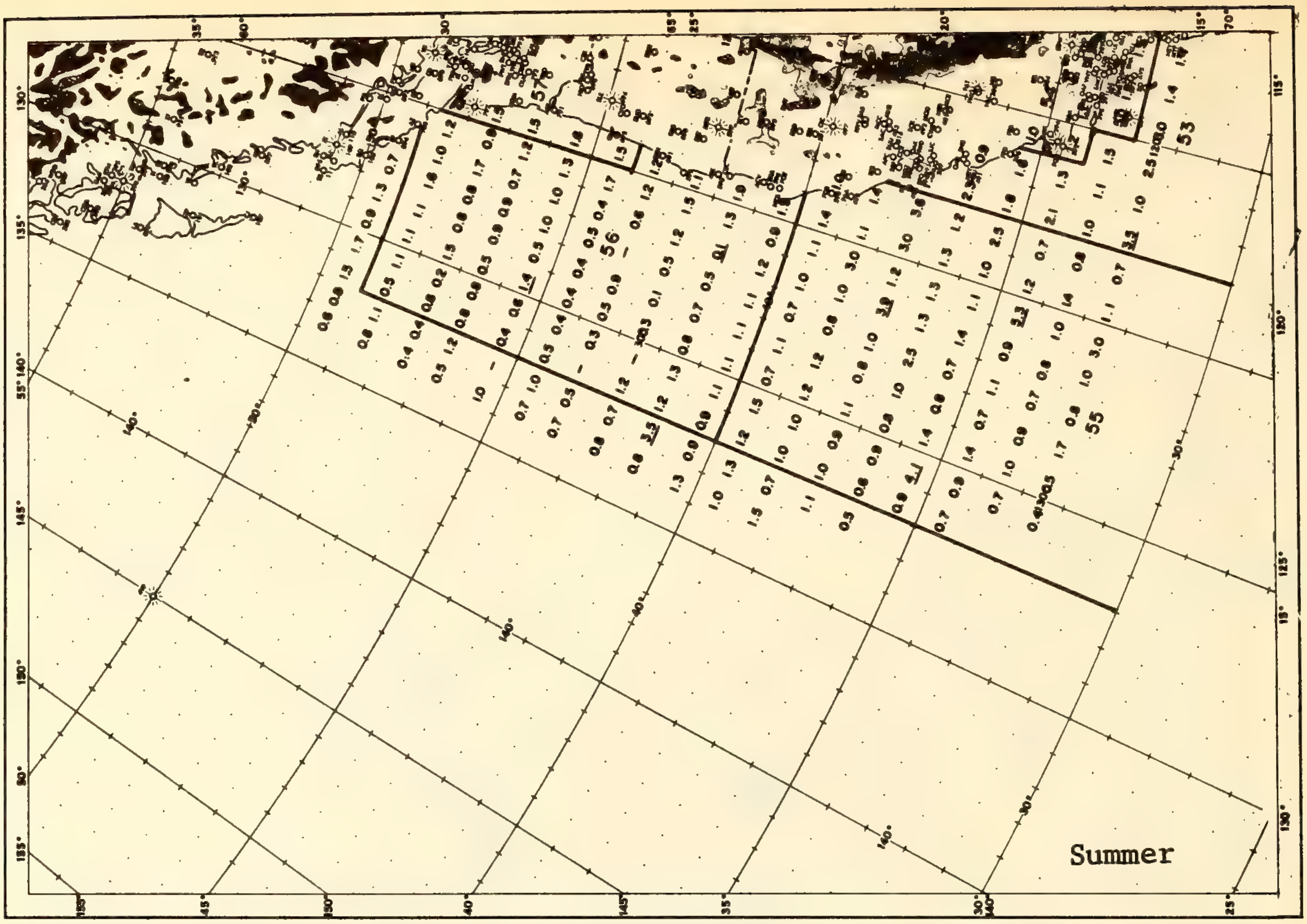


Figure VI-16.--Maximum observed current speeds (kt), western North Atlantic and Gulf of Mexico, summer.



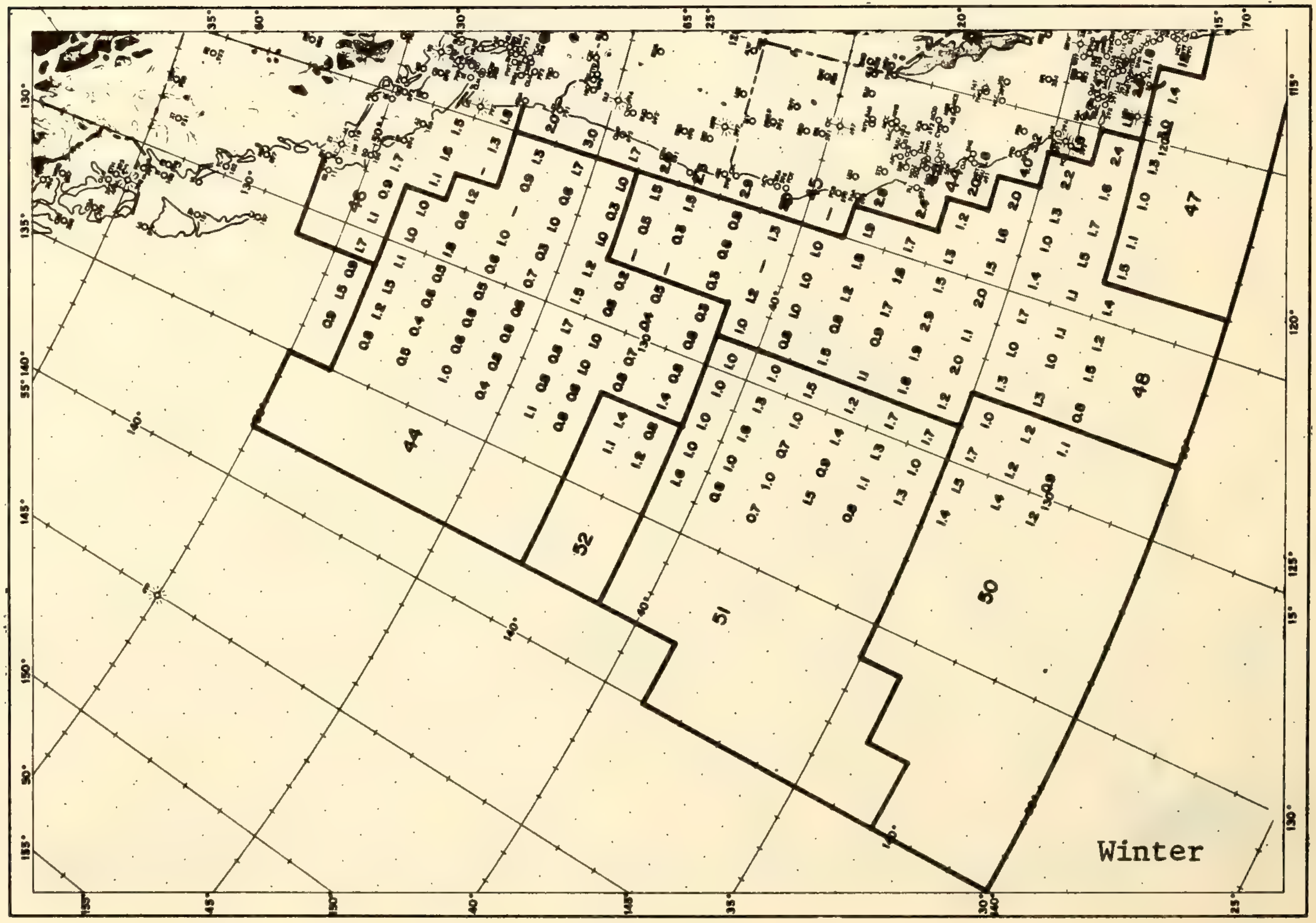


Figure VI-17.--Maximum observed current speeds (kt), eastern North Pacific, winter and summer.

b. Surface current speed statistics

Table VI-3.--Surface current speed statistics

Winter

Area No.	No. of obs.	Speed (kts), percent occurrence						Speed, V, (kts)				Direction (Deg.)		
		0	0.1-0.9	1.0-1.9	2.0-2.9	3.0-3.9	4.0-4.9	$\overline{V}$	98%	Prob. Max.	Max. Obs.	Prev.	Max. D	Max. $\overline{V}$
1	21,306	3	41	40	13	2	--	1.20	3.2	4.2	6.3	E	E,NE	1.4
2	3,545	3	54	27	11	3	2	1.14	4.1	5.4	5.6	N	N	1.7
3	246	5	74	16	5	--	--	0.74	2.5	3.3	2.6	-	SW	1.0
4	4,052	3	62	28	6	--	--	0.89	2.2	2.8	5.6	SE	SE	0.9
5	11,980	5	64	27	4	--	--	0.81	2.2	2.8	5.6	SE	SE	0.8
6	13,459	3	91	4	2	--	--	0.56	2.4	2.9	5.6	SE	SE	1.0
7	4,080	3	58	33	5	1	--	0.98	2.8	3.7	3.6	N	N	1.1
8	2,824	1	49	38	10	2	--	1.15	3.2	4.2	6.0	N	N	1.3
9	3,535	2	55	33	8	2	--	1.12	3.2	4.0	5.3	N	N	1.3
10	697	4	66	26	4	--	--	0.81	2.4	3.3	5.0	W	NW	1.0
11	10,588	6	68	24	2	--	--	0.75	1.8	2.8	5.0	W	W	0.9
12	1,806	5	76	17	2	--	--	0.73	1.9	2.9	5.2	W	NW	0.7
13	2,899	2	81	16	1	--	--	0.69	1.8	2.3	3.4	W	W	0.7
14	862	5	75	17	3	--	--	0.70	2.0	2.8	2.6	W	W	0.8
15	1,409	<1	79	19	2	--	--	0.73	2.1	2.6	3.6	W	W	0.7
16	220	3	83	12	2	--	--	0.64	2.0	2.7	3.5	--	SE	0.8
17	730	5	70	21	4	--	--	0.76	2.1	2.7	3.0	SW	W	0.8
3-A	22	4	92	4	--	$\sigma = 0.30$		0.47	0.94	1.3	1.2	E,SE	--	---

Table VI-3.--Continued

Winter

Area No.	No. of Obs.	Speed (kts), percent occurrence						Speed, V, (kts)				Direction (Deg.)		
		0	0.1-0.9	1.0-1.9	2.0-2.9	3.0-3.9	4.0-4.9	$\overline{V}$	98%	Prob. Max.	Max. Obs.	Prev.	Max. D	Max. $\overline{V}$
18	2,087	2	70	26	2	--	--	0.79	2.2	3.0	2.5*	NW	NW	0.8
19	2,085	4	82	12	2	--	--	0.64	2.4	3.0	3.0	NW	W	0.6
20	1,241	1	79	18	2	--	--	0.71	2.3	2.8	3.6	NW	N	0.7
21	1,151	2	72	18	6	2	--	0.85	3.5	4.1	5.6	W	N	1.3
22	2,333	4	67	24	3	2	--	0.84	3.4	4.1	5.0	SW	N	1.1
23	331	3	79	16	2	--	--	0.68	2.3	2.7	5.0	NW	N	1.0
24	3,180	5	63	22	8	2	--	0.92	3.3	3.9	5.6	NE	NE	1.2
25	4,363	6	72	19	1	2	--	0.71	3.8	4.5	4.5	NE	NE	0.8
26	32,621	1	16	23	31	24	5	2.26	5.0	6.0	6.9	N	N	2.5
27	2,562	4	57	22	9	7	1	1.13	3.9	4.4	4.5*	N	N	1.6
28	17,363	1	23	37	32	7	--	1.68	3.5	4.3	5.3	NE	NE	1.8
29	13,402	6	74	18	2	--	--	0.69	2.1	2.4	5.0	S	S	0.7
30	3,149	10	80	8	2	--	--	0.57	2.5	3.1	3.6	S	SW	0.6
31	2,579	2	87	10	1	--	--	0.61	2.2	2.6	3.0	E	SE	0.6
32Δ	69	0	94	6	--	--	--	0.56	1.8	2.3	3.0	S	W	0.5
33	764	1	87	11	1	--	--	0.64	2.2	2.7	2.5	SW	W	0.6
34	733	1	90	9	--	--	--	0.58	1.7	2.2	---	SW	W	0.6
35	8,592	1	83	15	1	--	--	0.66	2.0	2.4	3.0	E	E	0.7
36	2,009	1	68	26	4	1	--	0.86	2.8	3.9	4.0	E	E	0.9
37	2,880	2	68	24	5	1	--	0.86	3.0	3.8	4.2	E	E	1.0
38	5,890	3	59	26	10	2	--	1.00	3.5	4.2	5.3	NE	NE	1.2
39	2,418	2	90	8	--	--	--	0.67	1.9	2.3	2.9	E	E	0.5
40	2,482	2	89	7	2	--	--	0.60	2.4	3.0	3.0	NE	NE	0.5
41	7,990	4	79	15	2	--	--	0.67	2.3	2.8	4.2	NE	NE	0.7
42	4,252	3	91	6	--	--	--	0.54	2.2	1.8	2.6*	W,NW	--	0.5
43	10,961	5	86	9	--	--	--	0.56	1.6	2.0	3.6	N,NW	NW	0.5

*Maximum observed, not supplied for entire area

ΔObservations for entire year included

Table VI-3.--Continued

Summer

Area No.	No. of Obs.	Speed (kts), percent occurrence						Speed, V, (kts)				Direction (Deg.)		
		0	0.1-0.9	1.0-1.9	2.0-2.9	3.0-3.9	4.0-4.9	$\overline{V}$	98%	Prob. Max.	Max. Obs.	Prev.	Max. D	Max. $\overline{V}$
1	12,787	4	46	36	11	3	--	1.15	3.3	4.5	6.5	E	NE	1.5
2	1,820	5	54	25	11	3	2	1.12	4.1	5.4	5.4	N	N	1.7
3	192	5	66	27	2	--	--	0.79	1.9	2.6	3.0	-	N	0.9
4	3,112	4	58	32	5	1	--	0.93	2.6	3.7	4.2	SE	SE,E	1.0
5	10,155	4	59	33	4	--	--	0.90	2.3	3.1	3.6	NW,SE	SE	0.9
6	8,873	4	90	6	--	--	--	0.96	1.6	2.2	6.0	SE	SE	1.0
7	2,484	3	52	33	10	2	--	1.07	3.2	4.0	5.5	NW	NW,N	1.2
8	1,685	4	44	38	12	2	--	1.16	3.6	4.7	5.5	N	N	1.4
9	2,124	4	53	32	10	1	--	1.03	2.7	3.2	3.6	N	N	1.3
10	697	4	66	27	3	--	--	0.97	2.3	3.1	3.6	W	N	1.0
11	9,029	8	69	21	2	--	--	0.72	2.1	2.8	6.0	NW	W,NW	0.8
12	1,790	7	72	19	2	--	--	0.70	2.0	2.6	3.5	W	W	0.8
13	1,586	3	78	19	--	--	--	0.66	1.6	1.9	2.5	W	W	0.7
14	818	8	68	22	2	--	--	0.92	2.1	2.6	2.5	W	W	0.8
15	703	3	74	21	2	--	--	0.74	2.1	2.8	2.5	N,W	W	0.8
16	151	7	87	6	--	--	--	0.52	1.5	2.0	---	-	SW	0.6
17	574	6	61	30	3	--	--	0.83	2.2	2.8	2.8	SW	SW	0.9
3-A	28	<1	86	10	4	σ = 0.46		0.60	1.19	2.5	2.0	E,SE	--	---

Table VI-3.--Continued

Summer

Area No.	No. of Obs.	Speed (kts), percent occurrence						Speed, V, (kts)				Direction (Deg.)		
		0	0.1-0.9	1.0-1.9	2.0-2.9	3.0-3.9	4.0-4.9	$\overline{V}$	98%	Prob. Max.	Max. Obs.	Prev.	Max. D	Max. $\overline{V}$
18	1,091	6	83	9	2	--	--	0.6	2.5	3.2	2.6*	NW	NW	0.7
19	7,646	7	79	12	2	--	--	0.62	2.3	3.0	2.6*	W,N	NW	0.6
20	810	2	79	17	2	--	--	0.70	2.4	2.9	5.0	NW	NW	0.7
21	625	4	69	19	6	2	--	0.85	3.3	4.2	6.4	W	N	1.3
22	2,158	7	66	24	2	1	--	0.78	3.3	4.4	6.5	SW	SW	0.8
23	219	2	80	14	2	2	--	0.83	3.4	4.1	3.5	N	N	1.0
24	2,882	6	64	19	8	3	--	0.81	3.7	4.2	5.1	SW	N,NE	1.2
25	3,879	8	67	22	3	--	--	0.74	2.7	3.2	4.3	NE	NE	0.8
26	22,445	2	13	19	28	30	8	2.64	4.8	5.5	6.5	N	N	2.7
27	1,753	5	57	29	8	6	3	1.26	4.4	5.0	3.0*	N	N	1.6
28	15,281	1	19	31	34	14	1	2.14	4.0	4.7	5.8	NE	NE	2.1
29	11,939	9	73	15	3	--	--	0.66	2.5	3.2	4.5	S	NE	0.9
30	2,387	8	83	9	--	--	--	0.55	2.0	2.4	4.0	S	S	0.5
31	3,093	2	86	11	1	--	--	0.62	2.2	2.7	4.0	E	NE	0.6
32Δ	69	0	94	6	--	--	--	0.56	1.8	2.3	3.0	S	W	0.5
33	1,357	4	88	7	1	--	--	0.57	2.1	2.6	2.7	SW	SW	0.5
34	892	2	93	5	--	--	--	0.54	1.5	2.0	4.0	SW	SW	0.5
35	11,071	2	79	17	2	--	--	0.70	2.2	2.6	4.6	W	W	0.7
36	2,584	2	63	29	6	--	--	0.90	2.6	3.1	3.5	E	NE,E	1.0
37	3,725	2	63	28	6	1	--	0.92	2.9	3.8	4.4	E	E	1.0
38	6,926	3	55	29	10	3	--	1.06	3.5	4.4	5.3	NE	NE	1.3
39	2,230	3	89	8	--	--	--	0.56	1.6	2.0	2.5*	NONE	NONE	NONE
40	2,314	4	88	8	--	--	--	0.56	1.6	2.0	2.5	NONE	NONE	NONE
41	7,928	5	78	14	3	--	--	0.68	2.5	3.1	4.8	NE	NE	0.8
42	2,495	6	88	6	--	--	--	0.53	1.6	1.9	3.0	NW	N	0.5
43	8,494	6	86	8	--	--	--	0.55	1.7	2.1	5.3	N	N	0.5

*Maximum observed, not supplied for entire area
ΔObservations for entire year included

Table VI--3.--Concluded

Winter

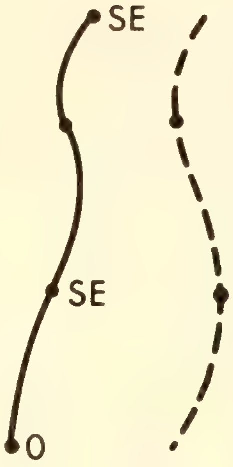
Area No.	No. of Obs.	Speed (kts), percent occurrence						Speed, V, (kts)				Direction (Deg.)		
		0	0.1- 0.9	1.0- 1.9	2.0- 2.9	3.0- 3.9	4.0- 4.9	$\overline{V}$	98%	Prob. Max.	Max. Obs.	Prev.	Max. D	$\overline{V}$
44	3,086	5	85	10	--	--	--	0.57	1.7	2.2	4.0	S,SE	S,SE	0.5
45	1,070	2	80	16	2	--	--	0.69	2.4	2.9	3.0	S	S	0.6
46	583	2	83	14	1	--	--	0.65	2.2	2.9	3.0	N	N	0.6
47	2,120	5	89	6	--	--	--	0.54	1.7	2.1	3.0	S,SE	S,SE	0.5
48	3,549	3	90	7	--	--	--	0.56	1.6	2.0	2.9	S	E	0.5
49	828	2	91	7	--	--	--	0.56	1.6	2.0	1.8	S,E	-	0.5
50	2,921	3	92	5	--	--	--	0.54	1.5	1.9	1.7*	S,E	-	0.4
51	1,507	2	93	5	--	--	--	0.54	1.4	1.8	1.7*	S,E	-	0.4
52	938	1	93	6	--	--	--	0.56	1.6	2.0	1.4*	E	NE	0.5
Coastal Strip from 44°N to 49°N (Summer)														
29- 29-A	175	2	75	21	2	--	--	0.74	2.2	2.6	2.0	S	S	0.8
3-A	18	<1	83	17	--	--	--	--	---	---	---	-	-	---

*Maximum observed, not supplied for entire area

4. Subsurface Ocean Currents

a. Vertical direction and speed profiles

LEGEND



SOLID LINE INDICATES MEAN SPEED OR INDIVIDUAL SPEED OBSERVATION AT VARIOUS DEPTHS.

DASHED LINE INDICATES MAXIMUM SPEED WHERE AVAILABLE.

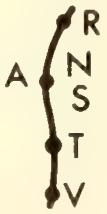
DOT SHOWS APPROXIMATE DEPTH OF OBSERVATION.

LETTERS GIVE MEAN DIRECTION TOWARD WHICH CURRENT FLOWS. DIRECTIONS GIVEN ALSO APPLY TO MAXIMUM SPEEDS AT CORRESPONDING DEPTHS.

ZERO INDICATES NO DIRECTION GIVEN FOR MEAN SPEED.

WHEN ZERO OR NO DIRECTION IS SHOWN FOR MEAN SPEED, CURRENT DIRECTION IS THE SAME AS THE OBSERVATION ABOVE OR BELOW.

( ) PARENTHESES INDICATE APPROXIMATELY OR PROBABLY.



R INDICATES ROTARY TIDAL CURRENT.
A INDICATES ALTERNATING OR REVERSING TIDAL CURRENT.
T INDICATES TIDAL CURRENT OF UNDETERMINED TYPE.
N AND S SHOW DIRECTION OF REVERSAL (NORTH AND SOUTH).
V INDICATES VARIABLE CURRENT.

DEPTH OF BOTTOM IS GIVEN IN METERS.

RELIABILITY OF PROFILES IS SHOWN BY G OR F. G IS CONSIDERED GOOD; DURATION AND NUMBER OF OBSERVATIONS, TYPE OF INSTRUMENT, AND PROCEDURE FOR MEASURING ARE ALL SATISFACTORY. PROFILE COMPARES FAVORABLY WITH KNOWN OR TYPICAL CHARACTERISTICS OF THE ENVIRONMENT. F IS CONSIDERED FAIR; DATA APPEAR REASONABLE BUT ARE USUALLY BASED ON SHORT-PERIOD OBSERVATIONS, AND INSTRUMENTS AND PROCEDURES ARE CONSIDERED RELIABLE. PROFILE MAY DIFFER IN SOME RESPECTS FROM KNOWN CHARACTERISTICS OF THE ENVIRONMENT.

METHODS OF OBSERVATION:

△	DYNAMIC CALCULATION
B	BATHYPITOMETER
C	CURRENT DRAG
D	DROGUE
E	EKMAN CURRENT METER
P	PILLSBURY CURRENT METER
R	ROBERTS CURRENT METER
S	SWALLOW FLOAT
T	ELECTRIC CURRENT METER
X	NOT KNOWN

Figure VI-18.--Legend for observed vertical profiles of ocean currents.

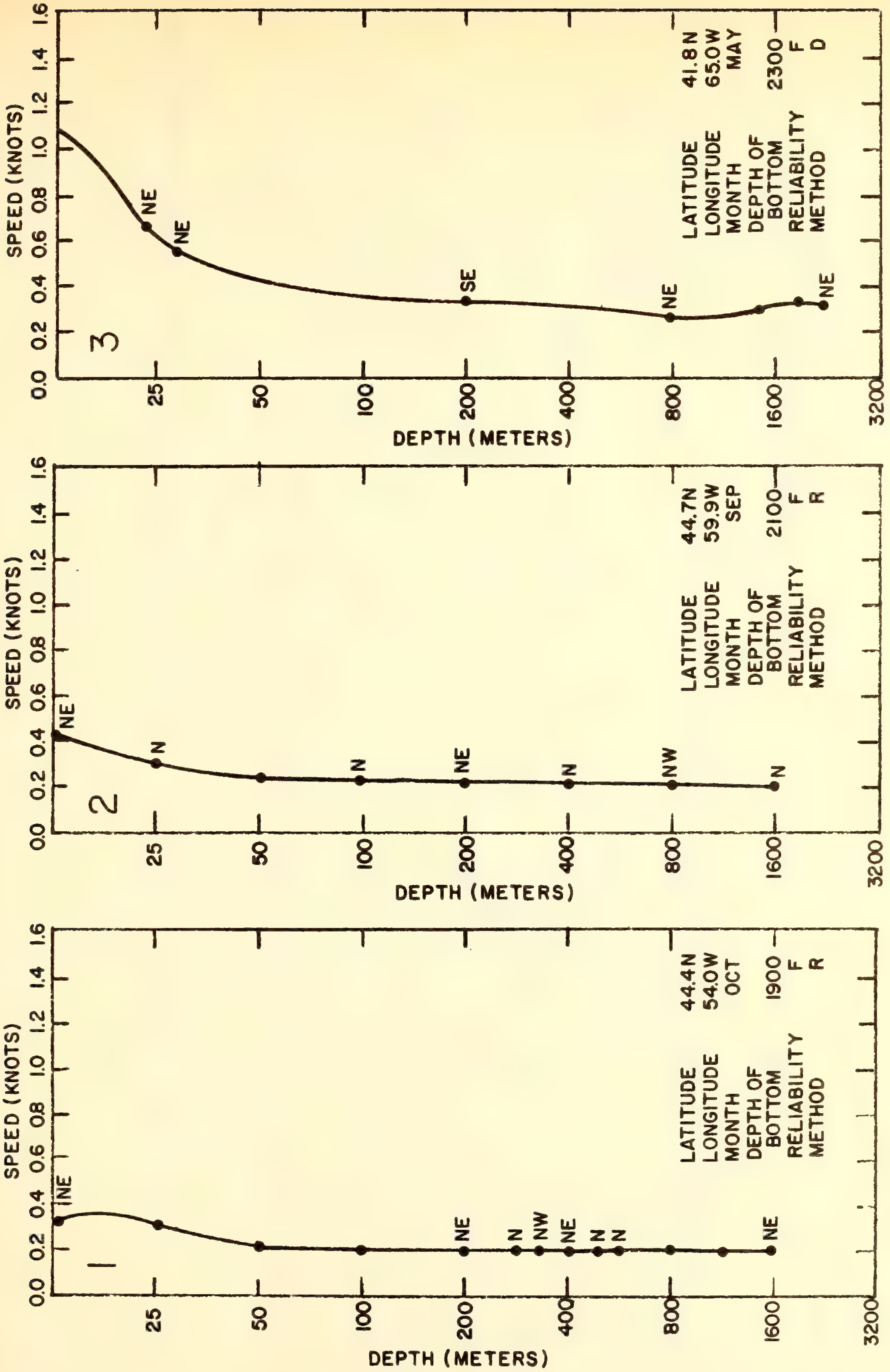


Figure VI-19.--Observed vertical profiles of ocean currents by location and month.

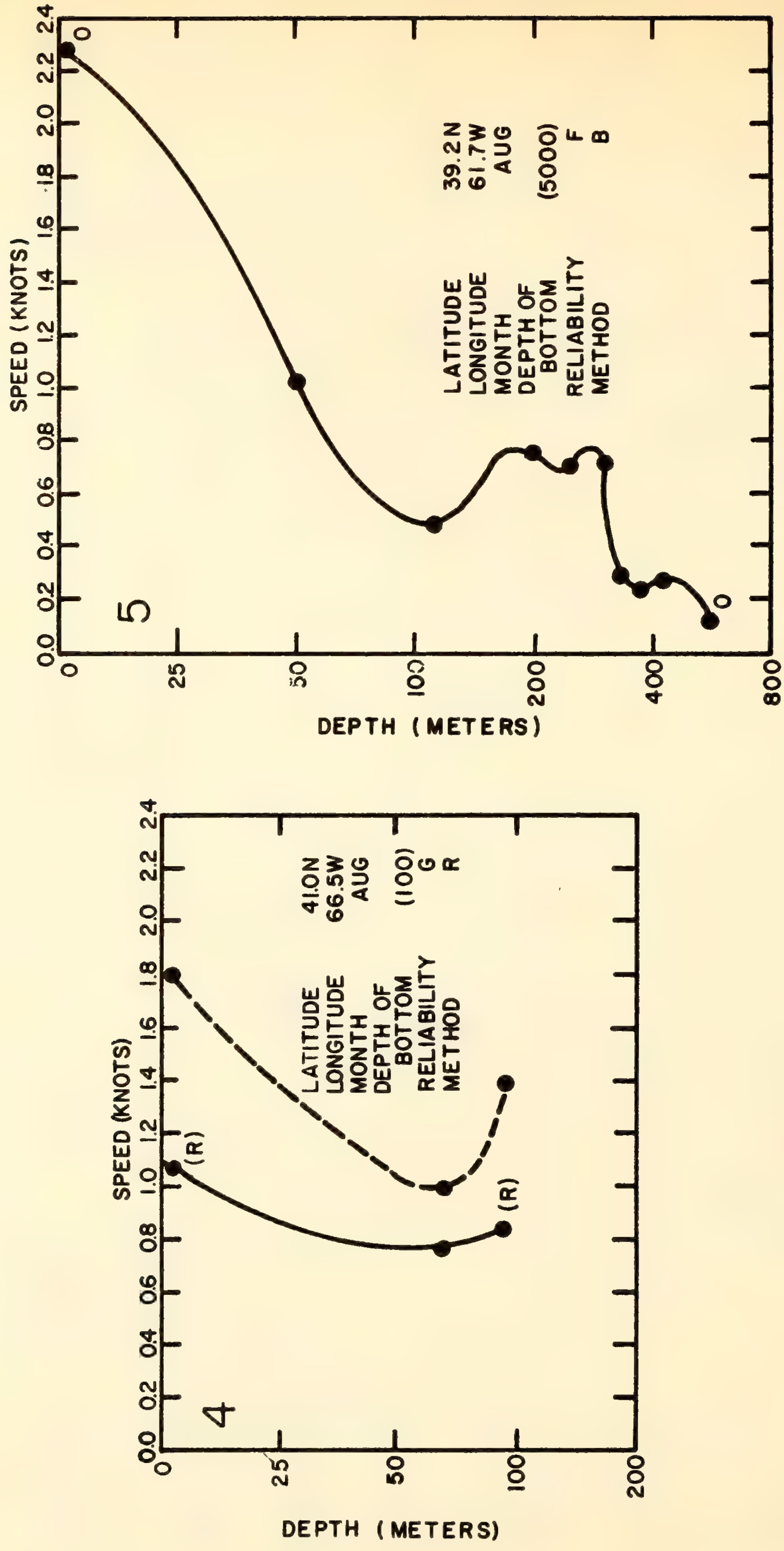


Figure VI-19.--Continued

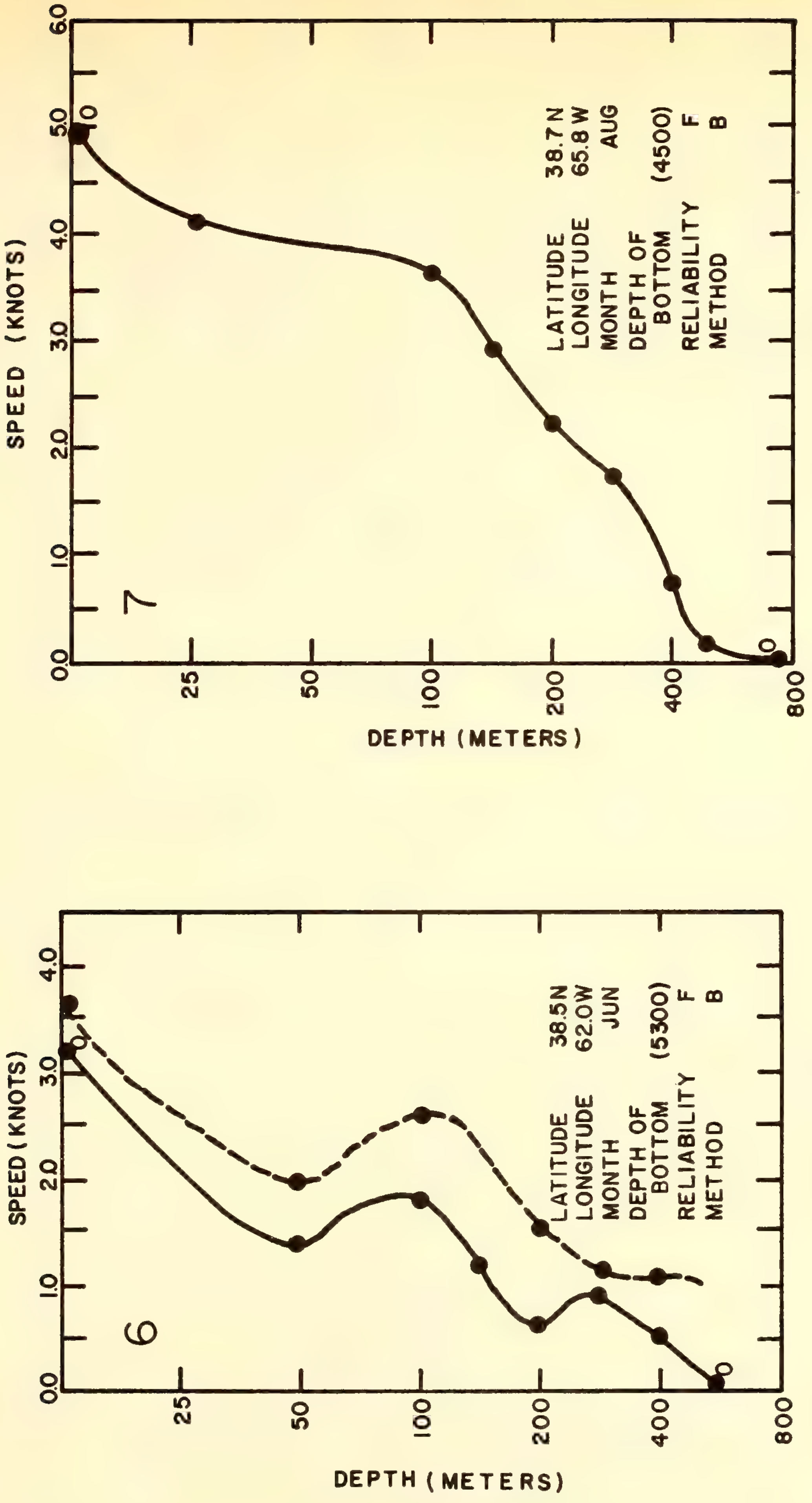


Figure VI-19.--Continued.

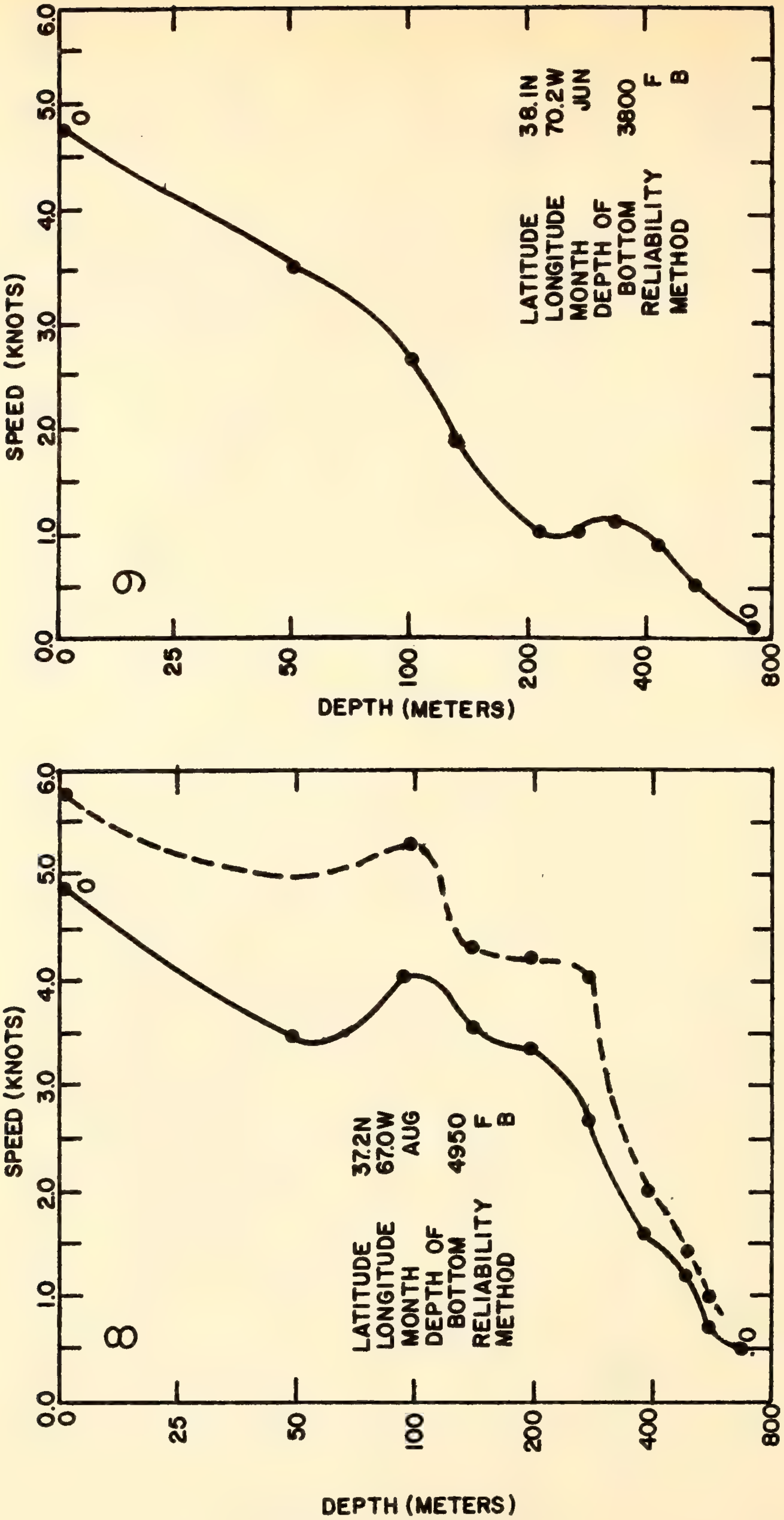


Figure VI-19.--Continued

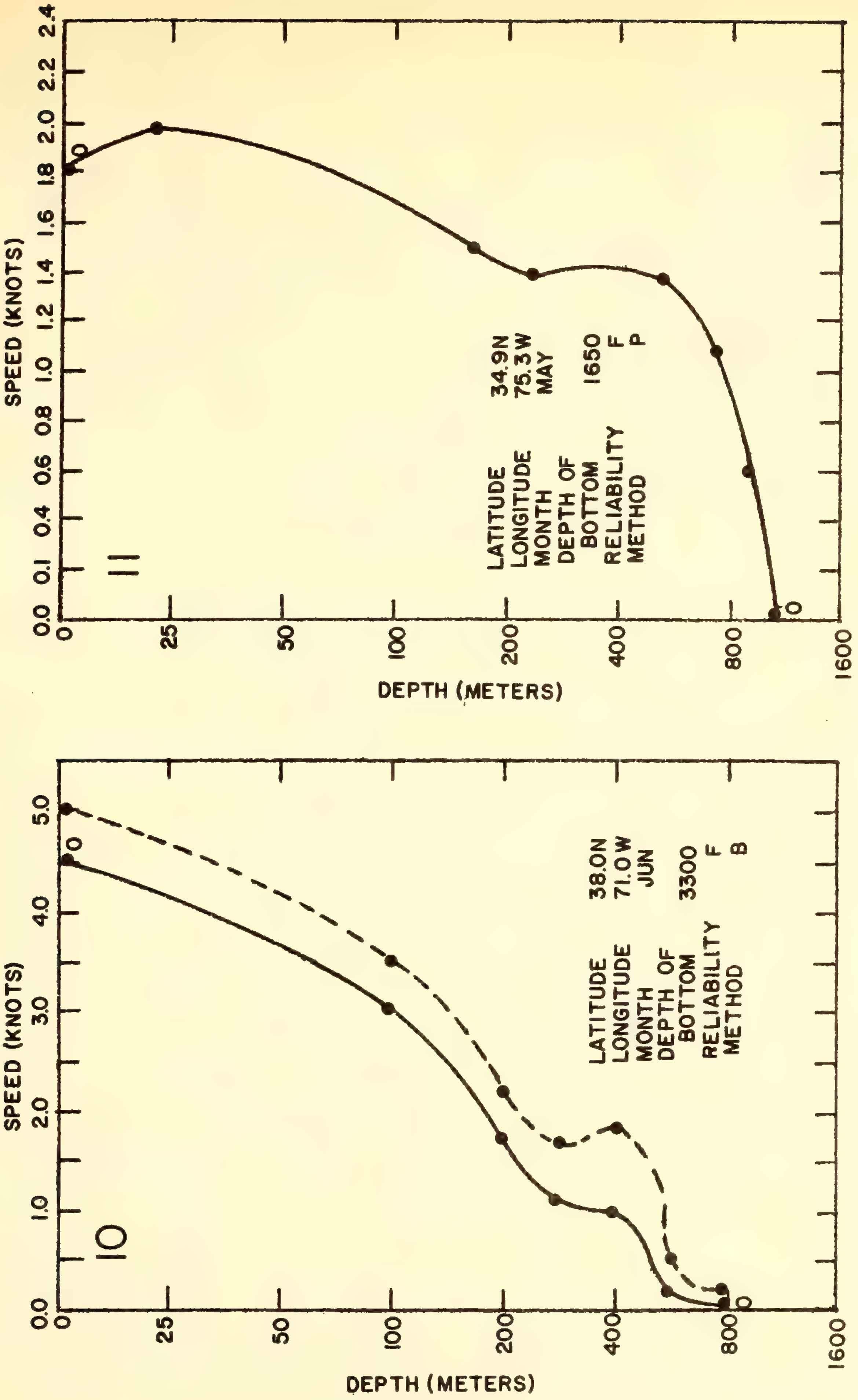


Figure VI-19.--Continued

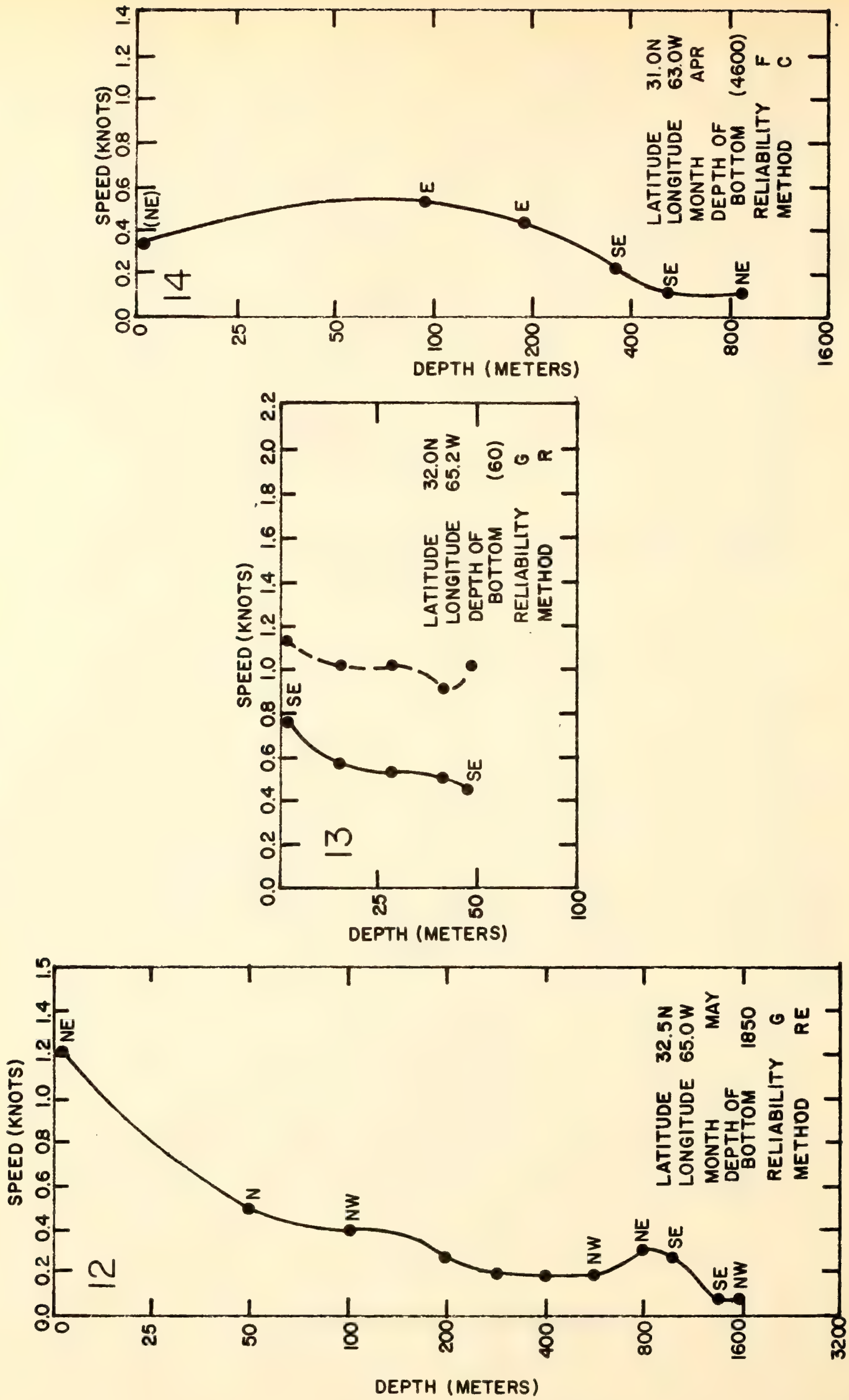
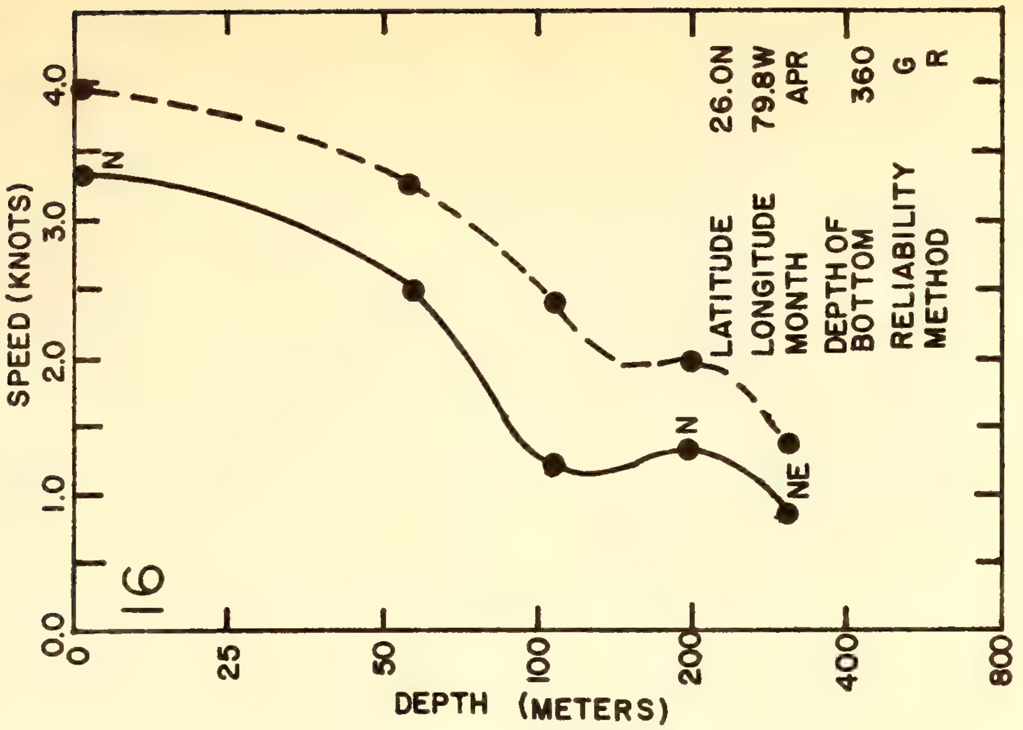


Figure VI-19.--Continued



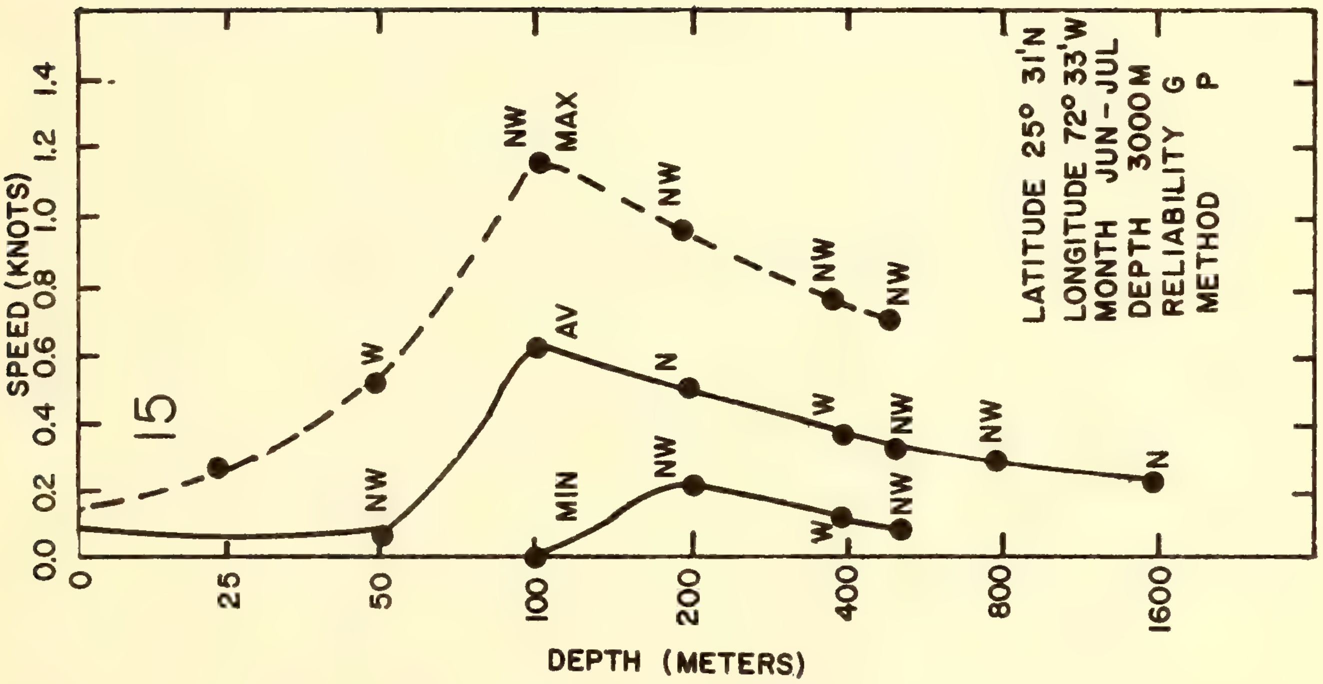


Figure VI-19.--Continued

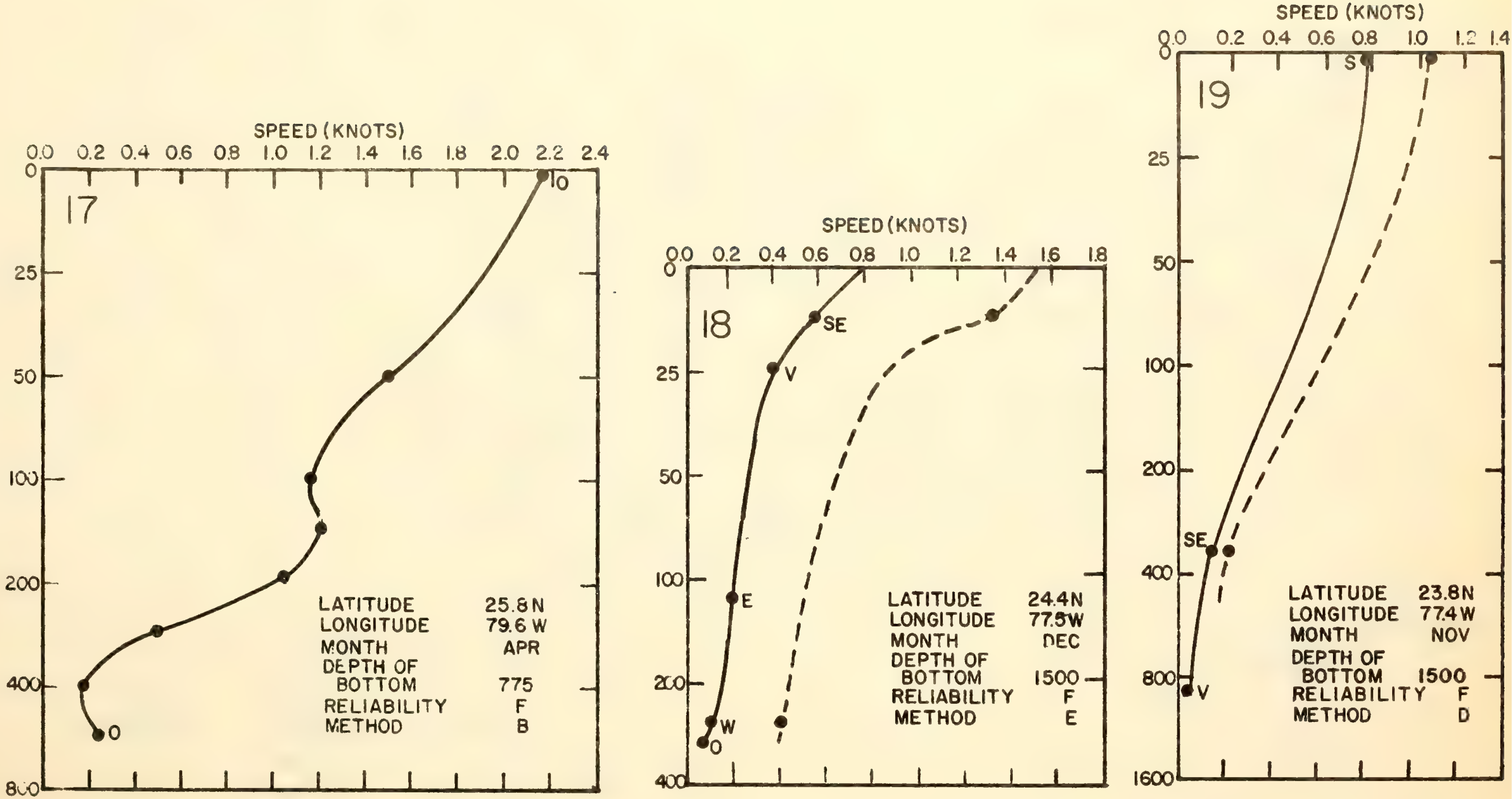


Figure VI-19.--Continued

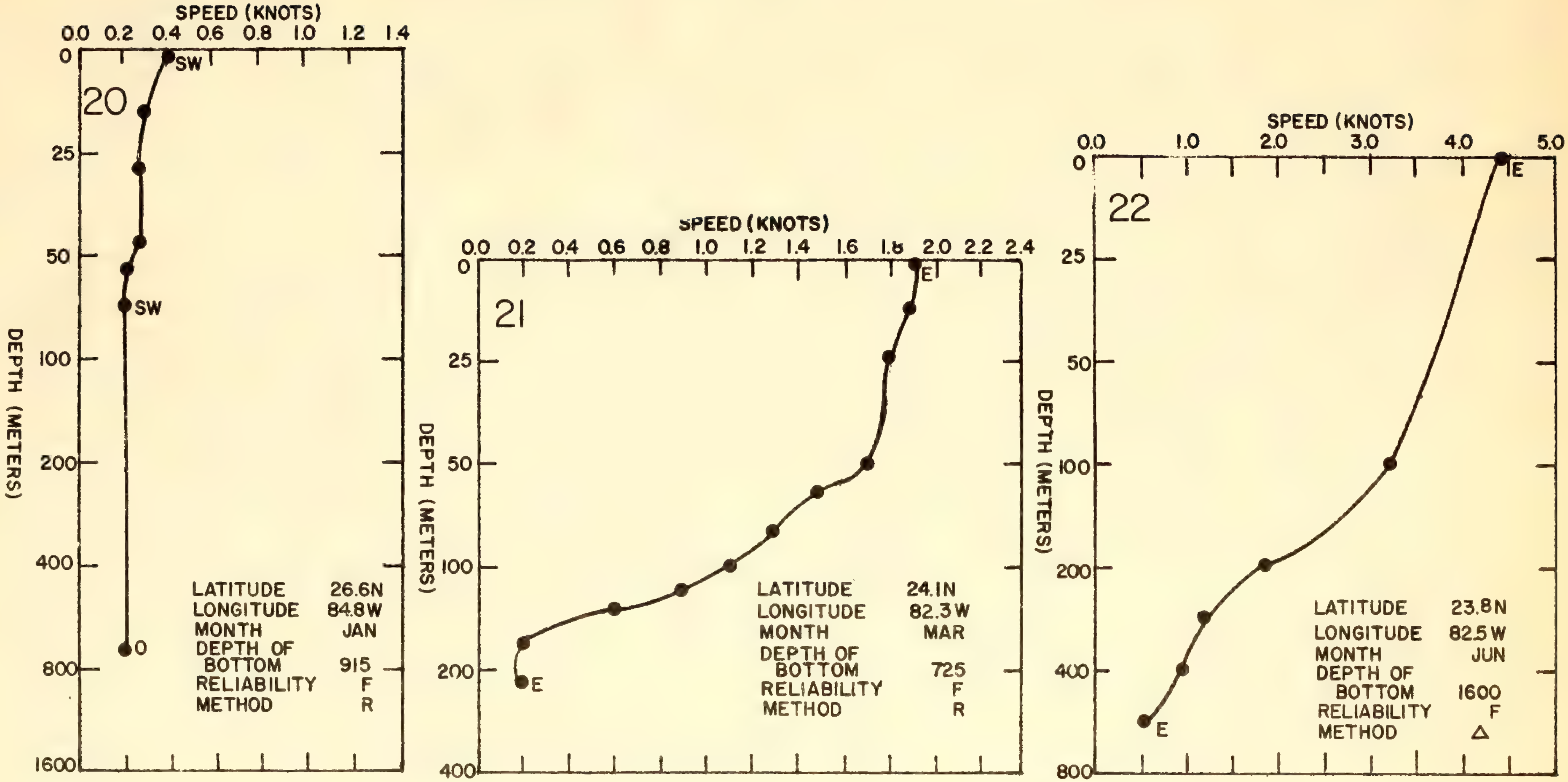


Figure VI-19.--Continued

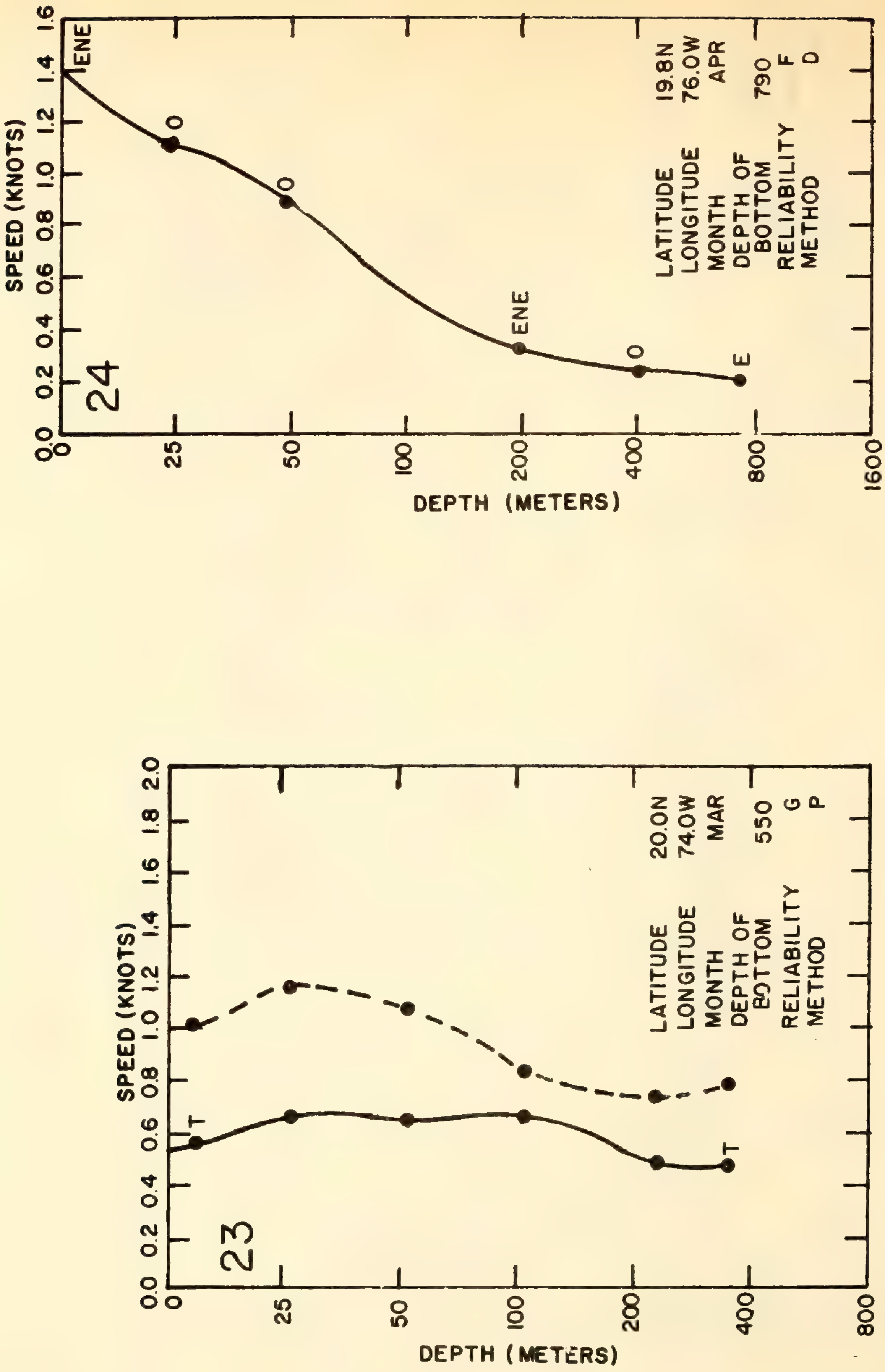


Figure VI-19.--Concluded.

b. Statistics of vertical direction and speed profiles

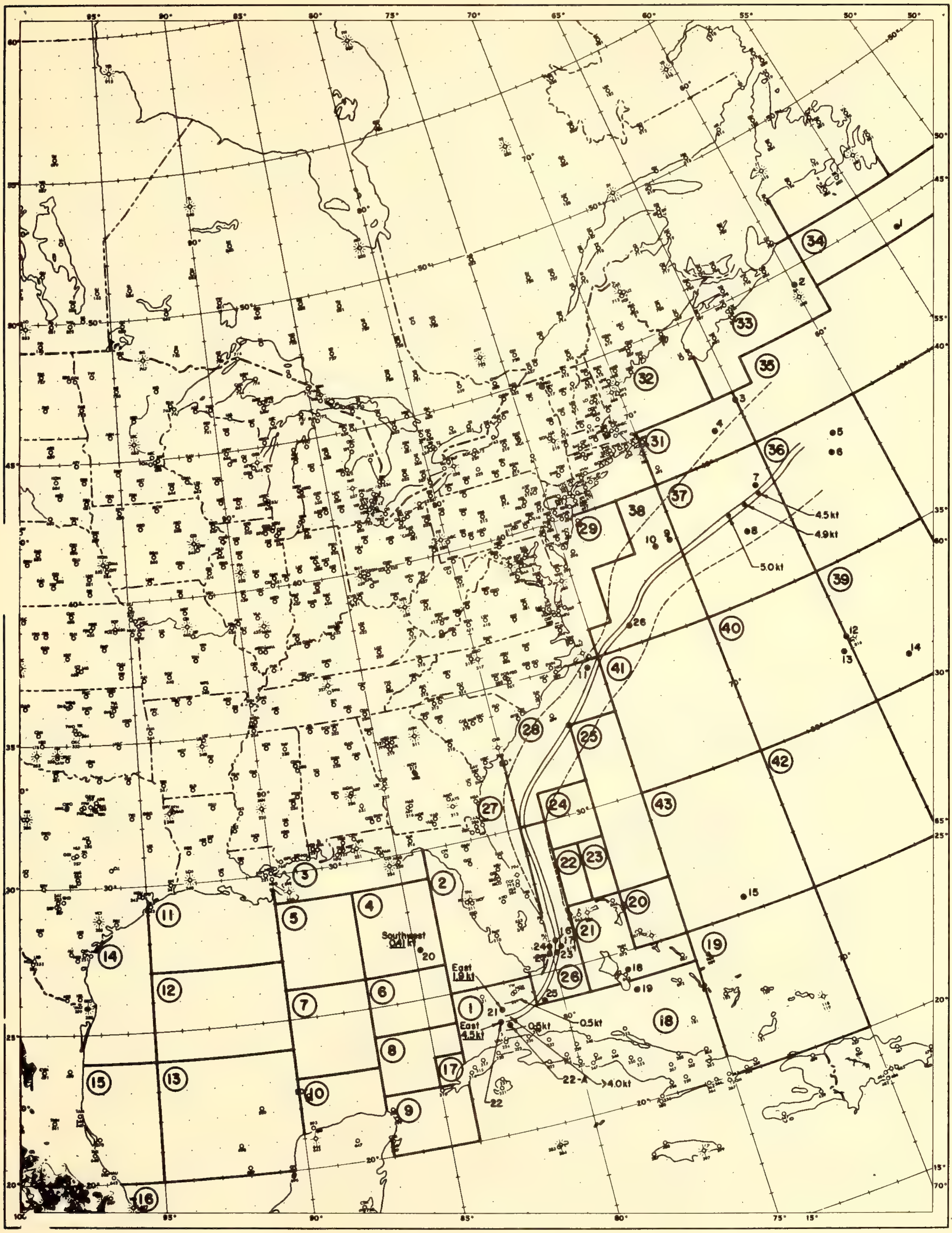


Figure VI-20.--Locator chart for current data, western North Atlantic and Gulf of Mexico.

Table VI-4.--Statistics of Vertical Profiles of Current Direction and Speed by Location and Month

Point No. 1, 44.4°N, 54.0°W, October

Depth (m) 1900	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	NE 0.32		UNK	
25	NE 0.32	0.0		0.7
50	NE 0.22	0.1		0.8
75	NE 0.22	0.0		0.8
100	NE 0.22	0.0		0.8
125	NE 0.22	0.0		0.8
150	NE 0.22	0.0		0.8
200	NE 0.22	0.0		0.8
250	NE 0.23	0.0		0.9
300	NE 0.23	0.0		0.9
400	NE 0.23	0.0		0.9
500	NE 0.23	0.0		0.9

Depth Range of Max. Current Shear: 0-12m

Point No. 2, 44.7°N, 59.9°W, September

Depth (m) 2100	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	NE 0.4		UNK	
25	000 0.3	0.27		0.27
50	N 0.23	0.07		0.34
75	N 0.23	0.00		0.34
100	N 0.21	0.02		0.36
125	N 0.21	0.00		0.36
150	N 0.21	0.00		0.36
200	NE 0.21	0.08		0.53
250	NE 0.21	0.00		0.53
300	NE 0.21	0.00		0.53
400	N 0.21	0.04		0.60
500	N 0.21	0.00		0.60

Depth Range of Max. Current Shear: 0-25m

Table VI-4.--(continued)

Point No. 3, 41.8°N, 65.0°W, May

Depth (m) 2300	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	NE 1.7		UNK	
25	NE 0.7	1.0		1.0
50	NE 0.42	0.28		1.28
75	NE 0.37	0.05		1.33
100	NE	0.35		1.35
125	NE 0.33	0.02		1.37
150	SE 0.32	0.14		1.51
200	SE 0.31	0.00		1.52
250				
300				
400				
500				

Depth Range of Max. Current Shear: 0-25m

Point No. 4, 41.0°N, 66.5°W, August

Depth (m) 100	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	UNK 1.09		1.82	
25	UNK 0.86	0.23	1.39	0.23
50	UNK 0.76	0.10	1.04	0.33
75	UNK 0.76	0.00	1.00	0.33
100	UNK 0.85	0.09	1.40	0.42
125				
150	NOTE: Rotary Tidal Currents Predominate			
200				
250				
300				
400				
500				

Depth Range of Max. Current Shear: 75-100m

Table VI-4.--(continued)

Point No. 5, 39.2°N, 61.7°W, August

Depth (m) 5000	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	E 2.31			
25	E 1.83	0.48		0.48
50	E 1.02	0.61		1.09
75	E 0.65	0.25		1.34
100	E 0.49	0.16		1.50
125	E 0.50	0.01		1.51
150	E 0.61	0.11		1.62
200	E 0.77	0.08		1.78
250	E 0.70	0.04		1.85
300	E 0.77	0.03		1.92
400	E 0.34	0.11		2.35
500	E 0.28	0.02		2.41

Depth Range of Max. Current Shear: 0-75m

Point No. 6, 38.5°N, 62.0°W, June

Depth (m) 5300	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	E 3.20		090 3.65	
25	E 2.10	1.10	090 1.58	1.10
50	E 1.28	0.32	090 1.97	1.92
75	E 1.70	0.42	090 2.26	2.34
100	E 1.85	0.15	090 2.57	2.49
125	E 1.73	0.12	090 2.57	2.61
150	E 1.25	0.48	090 2.30	3.09
200	E 0.60	0.18	090 1.60	3.44
250	E 0.82	0.11	090 1.37	3.66
300	E 0.95	0.06	090 1.19	3.79
400	E 0.51	0.11	090 1.11	4.23
500	E 0.30	0.04	090 1.10	4.44

Depth Range of Max. Current Shear: 0-50m

Point No. 7, 38.7°N, 65.8°W, August

Depth (m) 4500	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	E 5.00			
25	E 4.08	0.92		0.92
50	E 3.90	0.18		1.10
75	E 3.78	0.12		1.22
100	E 3.63	0.15		1.37
125	E 3.38	0.25		1.62
150	E 2.90	0.48		2.10
200	E 2.15	0.38		2.85
250	E 1.95	0.10		3.05
300	E 1.70	0.12		3.30
400	E 0.68	0.25		4.32
500	E 0.15	0.13		4.85

Depth Range of Max. Current Shear: 0-25m

Point No. 8, 37.2°N, 67.0°W, August

Depth (m) 4950	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	ENE 4.96		5.80	
25	ENE 4.10	0.86	5.22	0.86
50	ENE 3.50	0.60	5.00	1.46
75	ENE 3.52	0.02	5.05	1.48
100	ENE 4.02	0.50	5.28	1.98
125	ENE 3.98	0.04	4.75	2.02
150	ENE 3.53	0.45	4.28	2.47
200	ENE 3.35	0.09	4.22	2.65
250	ENE 3.25	0.05	4.22	2.75
300	ENE 2.70	0.28	4.00	3.30
400	ENE 1.62	0.27	2.00	4.38
500	ENE 1.25	0.09	1.60	4.75

Depth Range of Max. Current Shear: 0-50m

Table VI-4.--(continued)

Point No. 9, 38.1°N, 70.2°W, June

Depth (m) 3800	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	ENE 4.78			
25	ENE 4.12	0.66		0.66
50	ENE 3.50	0.62		1.28
75	ENE 3.23	0.27		1.55
100	ENE 2.60	0.63		2.18
125	ENE 2.15	0.45		2.63
150	ENE 1.62	0.53		3.16
200	ENE 1.00	0.31		3.78
250	ENE 0.98	0.01		3.80
300	ENE 1.00	0.01		3.82
400	ENE 0.92	0.02		3.90
500	ENE 0.68	0.06		4.14
Depth Range of Max. Current Shear: 0-150m				

Point No. 10, 38.0°N, 71.0°W, June

Depth (m) 3300	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	ENE 4.50		5.00	
25	ENE 4.10	0.40	4.63	0.40
50	ENE 3.63	0.47	4.16	0.87
75	ENE 3.28	0.35	3.90	1.22
100	ENE 3.00	0.28	3.51	1.50
125	ENE 2.76	0.24	3.30	1.74
150	ENE 2.50	0.26	3.00	2.00
200	ENE 1.73	0.38	2.20	2.77
250	ENE 1.35	0.19	1.90	3.15
300	ENE 1.10	0.13	1.70	3.40
400	ENE 0.98	0.03	1.85	3.52
500	ENE 0.75	0.06	1.62	3.75
Depth Range of Max. Current Shear: 0-200m				

Table VI-4.--(continued)

Point No. 11, 34.9°N, 75.3°W, May

Depth (m) 1650	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	NE 1.80			
25	NE 1.97	0.17		0.17
50	NE 1.88	0.09		0.26
75	NE 1.79	0.09		0.35
100	NE 1.65	0.14		0.49
125	NE 1.60	0.05		0.54
150	NE 1.55	0.05		0.59
200	NE 1.40	0.08		0.74
250	NE 1.40	0.00		0.74
300	NE 1.40	0.00		0.74
400	NE 1.40	0.00		0.74
500	NE 1.40	0.00		0.74

Depth Range of Max. Current Shear: 0-100m

Point No. 12, 32.5°N, 65.0°W, May

Depth (m) 1850	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	NE 1.21			
25	NE 0.80	0.31		0.31
50	N 0.59	0.24		0.55
75	N 0.40	0.19		0.74
100	NW 0.40	0.30		1.04
125	NW 0.40	0.00		1.04
150	NW 0.38	0.02		1.06
200	NW 0.27	0.06		1.17
250	NW 0.20	0.03		1.24
300	NW 0.20	0.00		1.24
400	NW 0.20	0.00		1.24
500	NW 0.20	0.00		1.24

Depth Range of Max. Current Shear: 0-100m

Table VI-4.--(continued)

Point No. 13, 32.0°N, 65.2°W, August

Depth (m) 60	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	SE 0.74		1.12	
25	SE 0.55	0.19	1.00	0.19
50	SE 0.45	0.10	1.00	0.29
75				
100				
125				
150				
200				
250				
300				
400				
500				

Depth Range of Max. Current Shear: 0-25m

Point No. 14, 31.0°N, 63.0°W, April

Depth (m) 4600	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	NE 0.30			
25	NE 0.45	0.15		0.15
50	NE 0.50	0.05		0.20
75	NE 0.52	0.02		0.22
100	E 0.52	0.37		0.22
125	E 0.50	0.02		0.24
150	E 0.48	0.02		0.26
200	E 0.40	0.04		0.34
250	E 0.35	0.03		0.39
300	E 0.30	0.02		0.34
400	SE 0.15	0.05		0.49
500	SE 0.15	0.00		0.49

Depth Range of Max. Current Shear: 75-100m

Point No. 15, 25°31'N, 72°33'W

Depth (m)	Speed (kt) Max.	Speed (kt) Min.	Av.	σ	Prevail. Dir.(°)	No. Obs.
50	0.28	0.00	0.07	0.03	310	1592
50	0.55	0.00	0.24	0.16	264	2052
100	1.05	0.00	0.67	0.16	300	4763
100	1.15	0.25	0.50	0.17	292	2120
100	0.77	0.17	0.45	0.12	290	1932
200	0.95	0.21	0.49	0.13	306	2081
200	0.75	0.25	0.47	0.10	032	2084
400	0.78	0.12	0.39	0.12	286	2187
400	0.57	0.19	0.35	0.07	329	1604
600	0.67	0.06	0.34	0.11	310	1924

Burns, D. A. and L. A. Banchero, 1966. Deep Moored Current Measurements in the Western North Atlantic (OPEVAL Area B) June-July 1965. NAVOCEANO IM No. 66-17, 28 pp.

Point No. 16, 26.0°N, 79.8°W, April

Depth (m) 360	Dir./Speed (Set/kt)	Vertical Shear Av. Rate (kt/25m)	Vertical Shear Max. Speed (kt)	Vertical Shear Cumulative (kt)
0	N 3.30		3.97	
25	N 3.13	0.17	3.75	0.17
50	N 2.60	0.47	3.40	0.64
75	N 2.10	0.50	3.08	1.14
100	N 1.22	0.88	2.68	2.02
125	N 1.18	0.04	2.25	2.06
150	N 1.22	0.04	2.00	2.10
200	N 1.22	0.00	2.00	2.10
250	N 1.22	0.00	1.82	2.10
300	N 1.00	0.05	1.53	2.32
400				
500				
Depth Range of Max. Current Shear: 75-100m				

Table VI-4.--(continued)

Point No. 17, 25.8°N, 79.6°W, April

Depth (m) 775	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	N 2.15		3.5	
25	N 1.91	0.24	3.4	0.24
50	N 1.48	0.43	3.3	0.67
75	N 1.28	0.20	3.2	0.87
100	N 1.15	0.13	3.1	1.00
125	N 1.18	0.03	3.05	1.03
150	N 1.20	0.02	2.92	1.05
200	N 1.04	0.08	2.50	1.21
250	N 0.75	0.14	2.00	1.50
300	N 0.48	0.14	1.53	1.77
400	N 0.18	0.08	1.02	2.07
500	N 0.20	0.01	0.55	2.09
Depth Range of Max. Current Shear: 0-50m				

Point No. 18. 24.4°N, 77.5°W, December

Depth (m) 1500	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	SE 0.80			
25	VRBL 0.40	0.40		0.40
50	VRBL 0.29	0.11		0.51
75	VRBL 0.25	0.04		0.55
100	E 0.21	0.04		0.59
125	E 0.19	0.02		0.61
150	E 0.17	0.02		0.63
200	E 0.15	0.01		0.65
250	E 0.13	0.01		0.67
300	W 0.11	0.12		0.91
400	W 0.09	0.02		0.93
500	W 0.04	0.01		0.98
Depth Range of Max. Current Shear: 0-25m				

Table VI-4.--(continued)

Point No. 19, 23.8°N, 77.4°W, November

Depth (m) 1500	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	S 0.77			
25	S 0.72	0.05		0.05
50	S 0.60	0.12		0.17
75	S 0.53	0.07		0.24
100	S 0.45	0.08		0.32
125	S 0.41	0.04		0.36
150	S 0.37	0.04		0.40
200	S 0.30	0.04		0.47
250	S 0.24	0.02		0.52
300	S 0.20	0.03		0.54
400	SE 0.11	0.04		0.69
500	SE 0.07	0.01		0.73

Depth Range of Max. Current Shear: 25-50m

Point No. 20, 26.6°N, 84.8°W, January

Depth (m) 915	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	SW 0.41			
25	SW 0.27	0.14		0.14
50	SW 0.22	0.05		0.19
75	SW 0.20	0.02		0.21
100	SW 0.20	0.00		0.21
125	SW 0.20	0.00		0.21
150	SW 0.20	0.00		0.21
200	SW 0.20	0.00		0.21
250	SW 0.20	0.00		0.21
300	SW 0.20	0.00		0.21
400	SW 0.20	0.00		0.21
500	SW 0.20	0.00		0.21

Depth Range of Max. Current Shear: 0-25m

Table VI-4.--(continued)

Point No. 21, 24.1°N, 82.3°W, March

Depth (m) 725	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	E 1.91			
25	E 1.80	0.11		0.11
50	E 1.69	0.11		0.22
75	E 1.37	0.32		0.54
100	E 1.10	0.27		0.81
125	E 0.89	0.21		1.02
150	E 0.60	0.29		1.31
200	E 0.19	0.20		1.72
250				
300				
400				
500				

Depth Range of Max. Current Shear: 50-175m

Point No. 22, 23.8°N, 82.5°W, June

Depth (m) 1600	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	E 4.50			
25	E 4.05	0.45		0.45
50	E 3.70	0.35		0.80
75	E 3.45	0.25		1.05
100	E 3.20	0.25		1.30
125	E 3.00	0.20		1.50
150	E 2.70	0.30		1.80
200	E 1.80	0.45		2.70
250	E 1.42	0.19		3.08
300	E 1.20	0.11		3.30
400	E 0.92	0.07		3.58
500	E 0.78	0.04		3.72

Depth Range of Max. Current Shear: 150-200m

Table VI-4.--(continued)

Point No. 22(A), 23.7°N, 82.3°W

Depth (m)	Dir./Speed (Set/kt)		Vertical Shear		
			Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	E	4.4			
25	E	4.3	0.1		0.1
50	E	4.2	0.2		0.2
75	E	4.1	0.3		0.3
100	E	4.0	0.4		0.4
125	E	3.8	0.2		0.42
150	E	3.2	0.6		1.02
200	E	2.3	0.4		1.92
250	E	1.8	0.3		2.42
300	E	1.6	0.05		2.62
400	E	1.2	0.1		3.02
500	E	0.95	0.06		0.25

Depth Range of Max. Current Shear: 150-200m

Point No. 23, 25.6°N, 79.8°W

Depth (m)	Dir./Speed (Set/kt)		Vertical Shear		
			Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	N	5.50			
25	N	5.70	0.20		0.20
50	N	5.50	0.20		0.40
75	N	5.20	0.30		0.70
100	N	4.90	0.30		1.00
125	N	4.50	0.40		1.40
150	N	4.10	0.40		1.80
200	N	3.40	0.35		2.50
250	N	2.95	0.22		2.95
300	N	2.72	0.12		3.18
400	N	2.28	0.11		3.62
500	N	1.77	0.13		4.13

Depth Range of Max. Current Shear:

Table VI-4.--(continued)

Point No. 24, 25.9°N, 80.0°W

Depth (m)	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	N 5.00			
25	N 4.75	0.25		0.25
50	N 4.20	0.55		0.80
75	N 3.50	0.70		1.50
100	N 2.77	0.73		2.23
125	N 2.43	0.34		2.57
150	N 1.68	0.75		3.32
200	N 0.68	0.50		4.32
250				
300				
400				
500				
Depth Range of Max. Current Shear: 75-125m				

Point No. 25, 24.1°N, 80.7°W

Depth (m)	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0	NE 2.40			
25	NE 2.30	0.10		0.10
50	NE 2.25	0.05		0.15
75	NE 2.21	0.04		0.19
100	NE 2.15	0.06		0.25
125	NE 2.10	0.05		0.30
150	NE 2.05	0.05		0.35
200	NE 1.95	0.05		0.45
250	NE 1.75	0.10		0.65
300	NE 1.70	0.03		0.70
400	NE 1.50	0.04		0.90
500	NE 1.20	0.07		1.20
Depth Range of Max. Current Shear: 0-25m				

Table VI-4.--(concluded)

Point No. 26, 35.8°N, 73.3°W

Depth (m)	Dir./Speed (Set/kt)	Vertical Shear		
		Av. Rate (kt/25m)	Max. Speed (kt)	Cumulative (kt)
0				
25				
50				
75				
100				
125				
150	UNK 2.10			
200	UNK 2.20	0.10		
250	UNK 2.20	0.00		
300	UNK 2.20	0.00		
400	UNK 2.05	0.04		
500	UNK 1.69	0.09		
Depth Range of Max. Current Shear:				

Point No. 27, Western Part of Florida Strait off Virginia Key

Depth (m)	Dir./Speed cm/sec	Shear		Cumulative
0	170			
25	158	12		12
50	140	18		30
75	121	19		49
100	110	12		60
125	100	10		70
150	83	17		87
200	28	28		142
250	03	12		145

Table VI-5.--Statistics of Oregon coastal currents*

Dates	Depth (m)	No. obs.	Speed (cm/sec) mean	σ	Max.	Min.	Principal speed	dir.	Vector speed	dir.
7/12-	20	1472	21.0	7.5	49.8	5.7	15.7	215	16.5	197
8/2	60	1472	13.3	3.5	29.5	5.7	12.2	195	4.3	161
8/28-	20	3672	13.8	4.8	43.8	5.2	9.8	025	0.8	360
9/23	60	3672	15.4	5.2	42.9	5.2	12.8	005	6.1	353
9/24-	20	3600	19.3	7.4	50.5	5.2	17.1	025	4.0	018
10/19	25	1872					20.6	205		
1/24-	50	1559	26.3	14.3	73.1	7.9	12.2	195	6.5	211
2/19	75	1872	27.0	13.2	61.1	7.2	13.6	195	10.8	205

*Current measurements, in zonal array derived from summary curves of velocity, along 44°40'N, from Oregon Coast to 125°05'W.

Table VI-6.--Current measurements at points 40-I, 40-II, 40-III, and 40-IV

Point 40-I, 30°00'N, 118°45'W

Depth (m)	Degrees T	cm/sec	kts
20	073	14	0.272
27	030	18	0.350
52	020	20	0.389
77	010	15	0.299
102	330	20	0.389
177	088	10	0.194
252	090	13	0.253

Table VI-6.--(concluded)

Point 40-II, 30°56'N, 116°30'W

Depth (m)	Degrees T	cm/sec	kts
20	098	20	0.389
52	070	15	0.292
102	052	24	0.467
152	038	19	0.369
202	038	17	0.331
252	045	17	0.331
302	048	16	0.311
402	050	20	0.389

Point 40-III, 30°58'N, 116°35'W

Depth (m)	Degrees T	cm/sec	kts
20	060	20	0.389
52	060	08	0.155
102	346	38	0.739
152	357	34	0.661
202	358	40	0.778
252	359	25	0.486
302	360	30	0.584
402	030	21	0.408

Point 40-IV, 30°56'N, 116°41'W

Depth (m)	Degrees T	cm/sec	kts
20	060	10	
52	100	19	
102	360	04	
152	048	12	
202	048	04	
302	060	04	
402	010	08	

D. References, see page

VII. Oceanic Conditions (Dynamic)

A. INTRODUCTION

Phenomena, in the ocean environment, refers to current systems, oceanographic fronts, upwelling, and unusual occurrences, such as Red Tide. Unfortunately, there is not enough scientific observation and documentation of these events to justify statistical treatment. Good information is available on the geographic limits of several of the phenomena and their cyclical nature. It is the purpose of this section to shed some light on the character, scope, and cyclical nature of the phenomena.

Therefore, in lieu of statistical matrices of oceanological phenomena, the concept of signatures is introduced. Signatures are characteristics that can be expected of a given phenomenon and to the extent that these characteristics are known, they become part of the phenomenon's signature. After the observations of ocean phenomena become more systematic and years of data are accumulated, meaningful distributions of the phenomena can become realities.

B. DISCUSSION

1. Gulf Stream and Its Meanders

Figure VII-1 shows four seasonal mean positions of maximum current taken from *The Gulf Stream Monthly Summary.*[1] Although the means are smooth and show little change from season to season, changes can be rapid and intense in monthly synopses. The north wall of the Gulf Stream is a dramatic phenomenon. The figure presents the envelope of all positions of the north wall as shown in five years by the *Gulf Stream Monthly Summary* Series, U.S. Naval Oceanographic Office publication 16782-GS. Compared with the seasonal means of the core, the variability of the northern edge can be appreciated. Meanders of the Gulf Stream appear as eddies, those north of the mean position of the core drifting northeastward and those south of the mean position drifting slowly southwestward.

Figure VII-1 also shows positions of the Slope Front and the month numbers (1-12) in which they were observed. The 100-fathom line (dotted) is shown because of a unique relation between this line and the Slope Front.

Figure VII-2 shows sea surface temperature traces made by airborne radiation thermometers in transits across the Gulf Stream. At Point B the North Wall is represented by a temperature discontinuity of 8°C. The southern edge of the Gulf Stream is also obvious (point A), even though the temperature gradient is but 2-3°C. At Point C (72°40'W) the temperature drop across the North Wall was observed to be 11°F (6°C), and at Point D (65°35'W) on December 15, 1966 the drop was 20°F (11°C) in less than 5 mi!

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[1] Mean positions are taken from H. O. Pub. No. 571, *Atlas of Surface Currents, North Atlantic Ocean* (out of print) and reproduced in *The Gulf Stream Monthly Summary* series, USNOO 16782-GS.

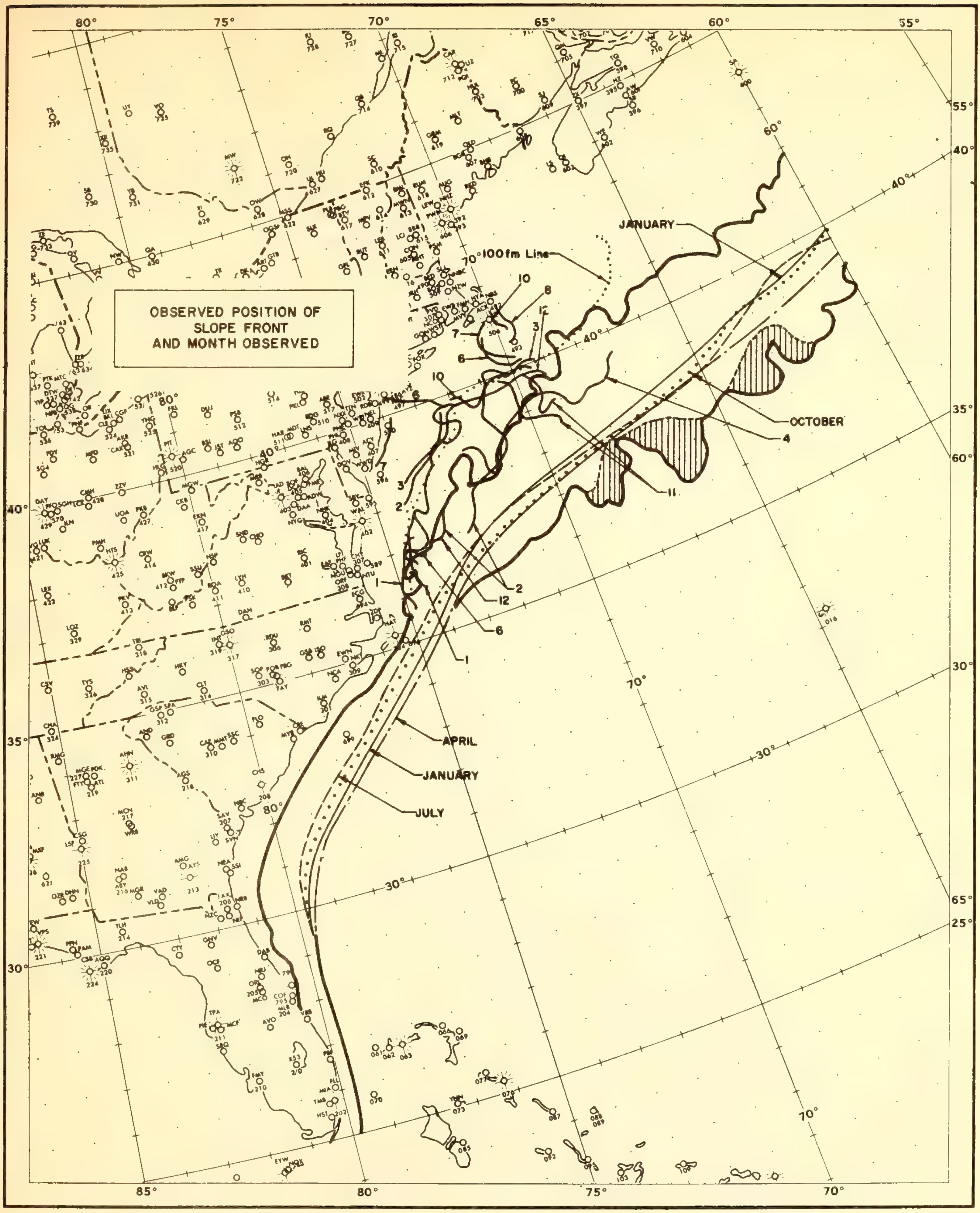
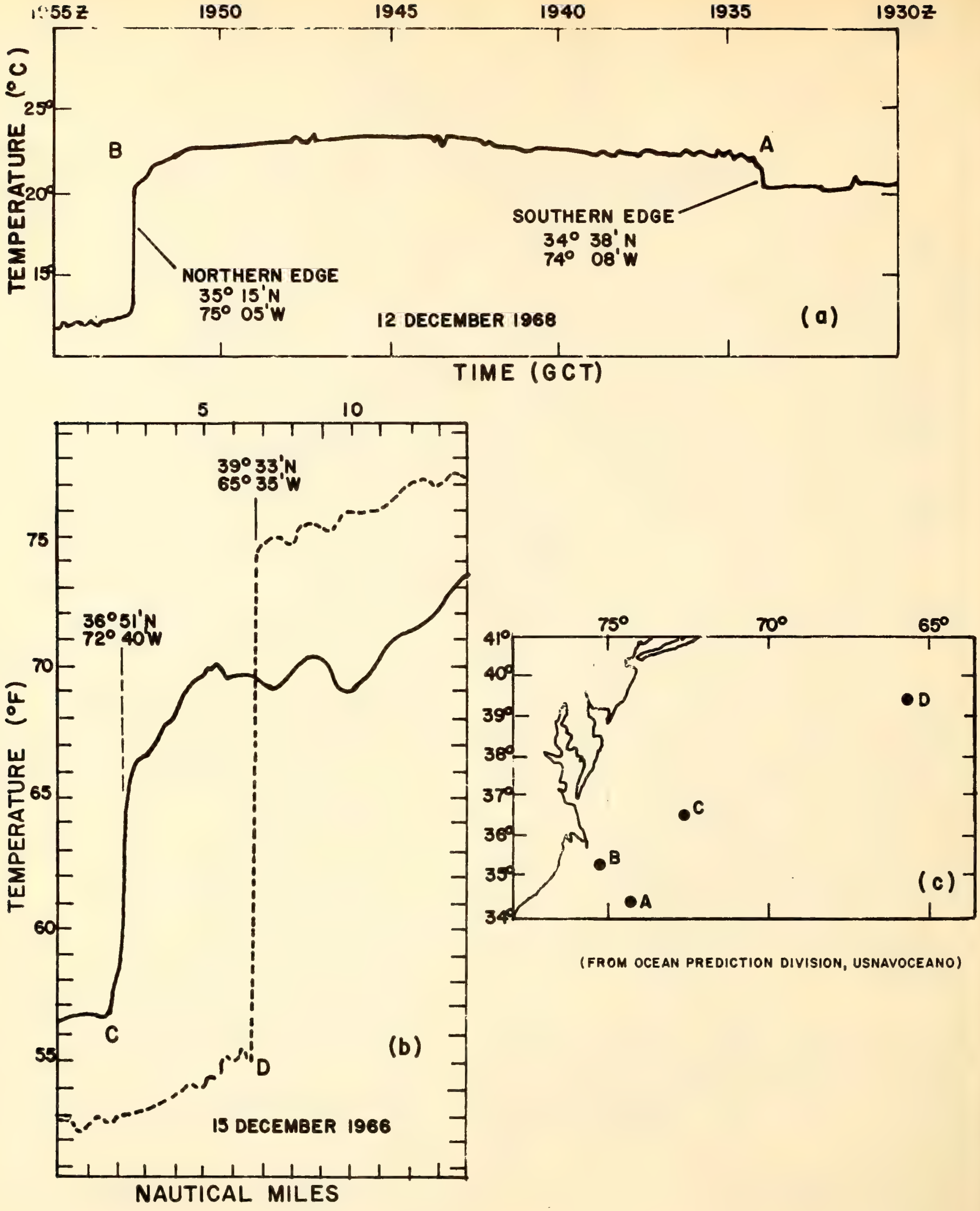


Figure VII-1.--Envelope of the Gulf Stream locations and positions of the Slope Front.



(FROM OCEAN PREDICTION DIVISION, USNAVOCEANO)

Figure VII-2.--Sea surface temperature traces across the Gulf Stream.

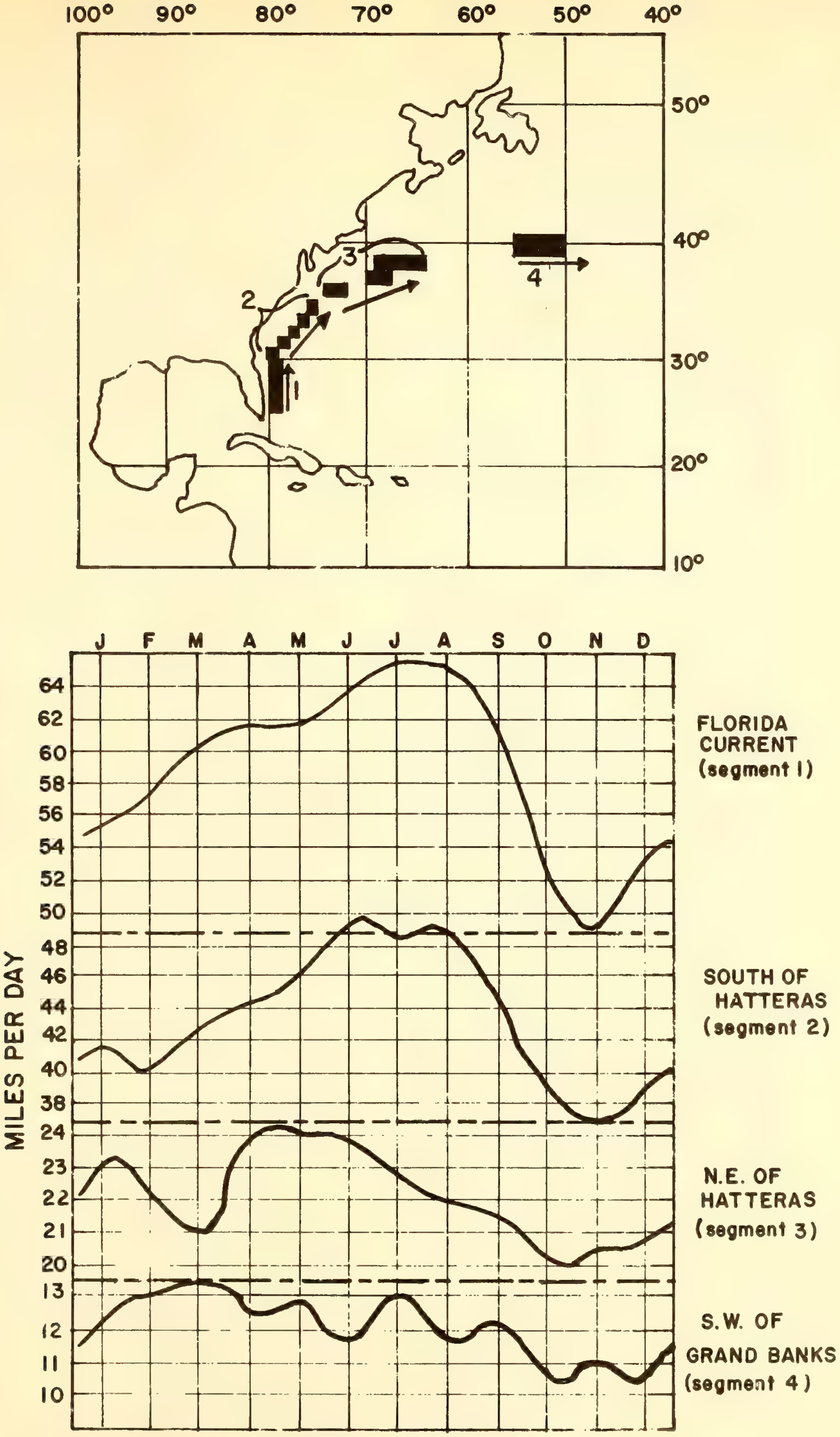


Figure VII-3.--Annual variations in the current speeds in four segments of the Gulf Stream System.

a. Signatures of the Gulf Stream System

1) General

a) *Formation* – At convergence of the Antilles Current and the Florida Current, northwest of Little Bahama Bank.

b) *Seasonality* – Directions change very little; speeds are greatest in summer and least in winter and late autumn.

c) *Subsurface Currents* – Southwest of Cape Hatteras; similar to surface except weaker; maximum observed at 100 m = 1 kt; shoreward part has higher velocity than seaward.

d) *Tidal Effects (Florida Current)* – Considerable with maximum effects 9 hours before upper and lower transits of the moon.

e) *Mean Position (Florida Current)* – Follows 100-fathom line.

f) *Countercurrent* – Southward close to Florida coast and westward along Florida Keys; speed, 1 kt.

g) *Boundaries of the Gulf Stream* – Bounded on the north by the North Wall and on the south by a more subtle front with Sargasso Water. These boundaries are featured by wavelike perturbations called meanders, which occasionally, through instability of the boundary flow, break off and become separate eddies.

h) *Normal Cloud Base Height over Gulf Stream* – 300 m.

2) Current

a) *Maximum* observed surface current speeds, in knots (winter and summer), observations from U.S. Naval Oceanographic Office (1); winter and summer *averages* from H.O. Pub. No. 700 (2); monthly averages for month of highest speeds and month of lowest speeds from Fuglister (1951) (3):

	(1) Observed maximum		(2) Average (seasonal) maximum		(3) Average (monthly) minimum, maximum, with months	
	winter	summer	winter	summer		
(1) Florida Current	6.9	6.5	2.26	2.64	2.04/Nov	2.73/Jul
(2) SW of Hatteras	5.0	5.7	1.68	2.14	1.53/Nov	2.05/Jun
(3) NE of Hatteras	5.3	5.3	1.00	1.06	0.84/Oct	1.00/May
(4) SW of Gr. Banks	3.4	4.6	0.66	0.70	0.45/Oct	0.56/Mar

b) Statistics on the surface flow of the Florida Current were derived from November-December; Monster Buoy data, by Smith, (1969), as follows:

(1) Mean current velocity = 167.05 cm/sec (3.25 kt)

(2) Standard deviation = 15.42 cm/sec (0.30 kt)

(3) Average fluctuation – 9.23 percent

(4) Fluctuations due to tidal components – 21.35 percent

c) Volume transport of the Gulf Stream in Sverdrups ($10^6 m^3$/sec), and months during which observations were made (Richardson, et al., 1969).

(1) Sombrero Key to Cay Sal Bank	29.6/Jun-Jul 1966
(2) Fowey Rocks to Cat Cay	31.7/May-Jun 1965
(3) Miami to Bimini	32.2/May-Jun 1965
(4) Ft. Pierce to Mantanila Shoal	33.1/Jul-Aug 1966
(5) Ft. Pierce to Mantanila Shoal	33.0/May-Jun 1967
(6) Cape Kennedy	35.1/May-Jun 1967
(7) Jacksonville	37.2/Jul-Aug 1967
(8) Cape Fear	53.0-55.0/Jun-Jul 1968
(9) 68° 38″W (U.S. Naval Oceanographic Office *Gulf Stream Summary*)	89.0

(10) Volume transport extends 50 to 100 km to warm side of surface current maximum. *NOTE:* From vertical cross-sections normal to flow between zero isotachs laterally, and surface to underwater zero isotach.

3) Meanders north of the core

a) North Wall and meander periphery identified by the position of the 15°C isotherm at 200 m.

(1) Surface temperature gradients

5°C/20 or less km (Hansen, 1970)

10°C/1-3 km typical, near Cape Hatteras

11°C/1-3 km typical, at 66°W longitude

(2) Range of temperatures at 200 m is 15°C

(3) Meanders are quasigeostrophic wave patterns

(4) Unstable meanders break off the main stream and become coldcore eddies.

(5) Meanders seldom, if ever, exist south of Cape Hatteras (except for minor areas of cooler water)

(6) Western edges of the meanders are oriented north-south

b) Wave length between crests

(1) 200 to 400 km, typically about 320 km (Hansen, 1970)

(2) 300 to 500 km (Wilkerson, 1967)

(3) East of 60°W – too diffuse to identify

c) Wave aplitudes (trough to crest)

(1) Except in summer when very large amplitude meander may occur west of 69°W

(2) Hatteras to 70°W – generally 35 to 100 km

(3) 70°W to 60°W – 200 to 300 km

(4) 70°W average near 150 km (Hansen, 1966 data)

(5) 60°W average near 370 km (Hansen, 1966 data)

d) Velocity of meanders – eastward; variable speed

(1) Net, approximately 8.1 km/day (Hansen)

(2) Typical net speed 9.25 km/day (Hansen)

(3) Net in 2 weeks – 5.88 km/day (Fuglister, Voorhis)

(4) Maximum east component–7.2 km/day (Wilkerson)

(5) Maximum vector speed–20.2 km/day, resultant (Hansen)

(6) Circulation of the meanders–anticyclonic

4) *Meanders south of the Core*

a) The quasigeostrophic meanders south of the core have not been studied as extensively as other parts of the stream, hence less is know about them. The following is according to Fuglister.

b) Two meanders broke off as eddies.

(1) Formed in Sargasso Sea north of Bermuda

(2) Had cyclonic circulation

(3) Diameters of 100 to 200 km

(4) Life span – after 5 months, two eddies were still prominent, but tracking of them had to stop.

(5) Movement of the eddies

[a] Well south of and detached from the Gulf Stream

[b] About 15 km/day toward southwest

[c] Maximum observed 28.1 km/day resultant

[d] Average less than 11.2 km/day

[e] Speeds become random or quasistationary later in their history

c) Temperature gradients (typical)

(1) At surface – 2-3°C/10 or less km

(2) At 200 m – 10°C/40 km

(3) At 400 m – 8°C/40 km

(4) The eddies have a warm core

TABLE VII-1.--Average current speeds in the Gulf Stream System (n mi /day)

(Segments shown in fig. VII-3.)

Month	*Segment* *1*	*2*	*3*	*4*
Jan	55.2	41.3	23.0	12.4
Feb	57.5	39.9	22.3	13.0
Mar	60.8	42.2	21.0	13.5
Apr	61.7	43.7	24.0	12.6
May	61.7	46.4	24.1	12.9
Jun	64.2	49.3	23.9	11.6
Jul	65.6	48.2	22.8	13.1
Aug	65.4	48.4	22.0	11.7
Sep	60.5	44.0	21.4	12.3
Oct	52.4	39.0	20.2	10.5
Nov	49.0	36.7	20.4	11.1
Dec	53.8	39.4	20.8	10.7
Mean	59.0	43.2	22.2	12.1

2. Slope Front

The Slope Front separates very cold wintertime river runoff and the frigid shelf water that drifts southward from the Strait of Belle Isle, Cabot Strait, and around Cape Race from the moderate-temperature slope water that borders on the north wall of the Gulf Stream. The general location of the Slope Front is along the 100-fm isobath, but seasonal and apparently aperiodic fluctuations in its positions are pronounced. Figure VII-1 shows typical positions and the months in which they were observed, taken from 5 yr of monthly survey and analysis by the Naval Oceanographic Office, Ocean Prediction Division. Also shown is the 100-fm isobath (accepted edge of the continental shelf).

In the winter and early spring the Slope Front is well-marked, continuous, and may be found anywhere from the average position, along the 100-fm isobath, to about 80 miles south and east of the average position. Temperature discontinuities across the front may be 7 to 8°C. With vernal warming, the front retreats toward the 100-fm isobath and loses much of its temperature gradient. By summer, it can be found as a discontinuous front with segments lying at steep angles to the coast, which it may touch, and with temperature discontinuities to 2° to 4°C.

a. Signatures of the Slope Front

1) *Positions*

Average: along the 100-fm line
Winter and early spring (November to April) From 100-fm line to 70 to 80 miles south and east
Late spring and summer (May to August): North and west of 100-fm line, broken into segments of various orientation, frequently normal to and touching the coast
Autumn (September, October, November): along 100-fm line.

2) *Temperature gradient*

General: Temperature gradients are not well organized seasonally; they may vary from 2 to 7°C at any time of year.
Winter and early spring: 7 to 8°C
Late spring and summer: 2 to 4°C
Autumn: 4 to 6°C

3) *Circulation*

North and west of Front: Southwestward drift
South and east of Front: Northeastward drift

3. Littoral Current and Shelf Current

Figure VII-4 (inset) shows the position and direction of flow of the Shelf Current and Littoral Current from south of Cape Hatteras to the southern extremities of these currents. Both of these current systems lie over the continental shelf, shoreward of both the north wall of the Gulf Stream and the Slope Front, and are continuous from their southern extremes northward to beyond 45°N. Except during the summer season, when the Slope Front tends to break down into segments near the coast, these two current systems are believed to be continuous, year-round.

The Littoral, or Coastal Current, as described by Nickerson (1966), is a nearly laminar current that varies in proportion to river runoff. It is most apparent from October through March when the river water, though colder than the ocean water, is still less dense because of salinity differences. During the rest of the year the current is marked by vernal and summer warming of the sea surface. The Littoral Current persists throughout the year and extends from the surface to the bottom (10-40 m).

The Shelf Current, also from the north, is one of the least turbulent systems in the area. It is believed to persist during all months of the year south of Cape May and, except for interruptions as the Slope Front moves toward the coast in the summer months, north of Cape May. The Shelf Current also extends from the surface to the bottom.

The area of eddies, (fig. VII-4) is the area where the most interaction between the cold Shelf Current and the warm Gulf Stream occur. This part of the Gulf Stream system is called the Plateau Current by Nickerson (1966).

4. Environmental Phenomena of the Gulf of Mexico

A general statement on the characteristics of ocean currents, temperature, and waves, and the phenomena of upwelling and internal waves, is well prepared by Hawkins and Bilhorn (1971). Paraphrased, their report paints the following picture of the Gulf of Mexico:

a. Near-shore currents

Near-shore currents are here defined as those occurring in an area that includes estuaries, bays, and the shelf to a depth of 100 fm. The fundamental dynamic feature of the near-shore current is that geostrophic balance is not achieved. Rather, the pressure gradient is balanced mainly by inertial and frictional terms, instead of by the Coriolis effect. These currents, therefore, are more variable in space and time than the offshore deep-ocean currents. Near-shore current patterns are influenced by the regular tidal changes, but importantly, also by changes in winds, river discharges, and density gradients,

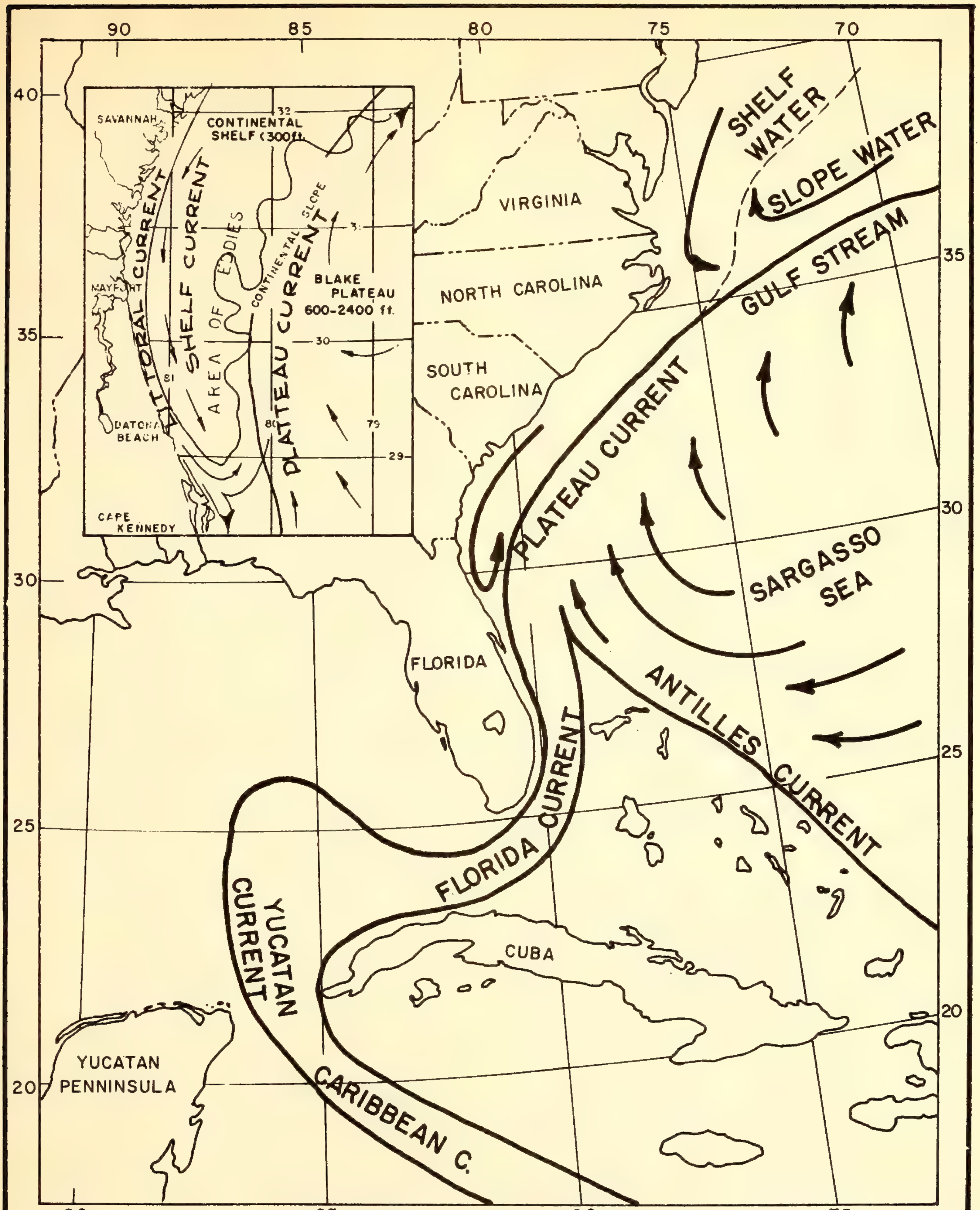


Figure VII-4.--Segments of the Gulf Stream System (after Nickerson).

including the salt wedge, cutoff eddies, and meanders of the deep-water currents. Because of the shallow depths of the near-shore areas and the Gulf's bays and estuaries, current patterns are strongly influenced by meteorological factors. The near-shore currents rarely exceed 1 kt in the Gulf except during storm surges and in the narrow passages of estuaries and bays.

b. Offshore circulation

Idealized patterns of the general circulation, according to Leipper (1954), are shown in figures VII-5 and VII-6. The circulation in the upper layer of the Gulf is best defined in the eastern area. The current coming through the Yucatan Channel forms a relatively narrow belt of high velocity (several knots), flowing out through the Straits of Florida. The velocity of this current at the surface varies appreciably, attaining a maximum of approximately 4 to 5 kt (Cochrane, personal communication). The overall current width is about 60 to 80 miles and the thickness of the layer with velocity higher than 1 kt reaches almost 500 m.

Topographies of the 22°C isotherm, determined by a series of eight cruises between July 1965 and November 1966, supplemented by other surveys in the spring, indicate two types of developments in the Loop Current in the eastern Gulf (Leipper 1970). During the spring, the loop grows in size, penetrating increasingly farther northward into the Gulf. In the summer, the current system spreads westward. Either the entire loop, which then extends to almost the 1000-fm isobath in the north, moves toward the 90°W meridian or, in another sequence, a cutoff meander migrates westward. The Loop Current is not known to penetrate farther westward than 90°W.

The currents of the western Gulf are weaker and vary in location and intensity. On the average, there is a large, elongated anticyclonic gyre over the abyssal plain in the central western Gulf, whose major axis runs northeast-southwest. The maximum velocity of the northeastward flow on the northwest side of the gyre reaches 1 kt, though the location and intensity of the gyre are variable.

The offshore circulation in the Gulf has been calculated in most cases by the geostrophic method using density gradients determined from temperature and salinity data. Direct measurements of currents are scarce except for surface geomagnetic-electro-kinetograph (GEK) measurements. Since the inflowing Yucatan Current consists of an almost uniform watermass, the vertically averaged temperature in the upper 100 or 200 m correlates well with the dynamic heights, referred to the 1,000-m level and thus it is possible to determine the circulation pattern with BT data only.

Research vessels have covered portions of the Gulf to provide the offshore circulation pattern at least once each season since 1962.

c. Astronomical and meteorological tides and tidal currents

The tides of the Gulf of Mexico are predominantly diurnal and the tidal ranges are below 0.7 m. The diurnal tide is considered to enter the Gulf through the Straits of Florida and circulate around the Gulf counterclockwise, leaving it through the Yucatan Strait. The amplitudes of the diurnal tides are 10 to 20 cm along the Gulf Coast, reaching almost 30 cm at Campeche. The semidiurnal components of tides are 15 to 30 cm along the Florida coast to St. Marks, Florida, and Campeche but less than 10 cm along the rest of the Gulf coast.

The actual tides deviate from the predictable tides for various reasons. The effects of cold fronts, cyclonic storms, and other meteorological phenomena have been made only for hurricane surges (20 ft in hurricane Carla, 1961), but essentially the same tide-generating forces act in less severe meteorological events. Wind speeds of 20 to 30 mi/hr have little large-scale effect, but can produce significant tidal fluctuation of four feet or more in the shallow estuaries of the Gulf coast. Estuarine-oceanic water exchanges resulting from such tidal events may flush an estuary.

A combination of estuary configuration and the existence of swells in the Gulf can produce resonant variations (seiches) in estuarine water height. This phenomenon can be initiated by local wind fields and oceanic wind waves and swells. Within the Gulf, resonant-period water level fluctuations of about 1 foot have been reported, causing seiches which have broken mooring lines on small craft in some harbors. Such events are principally the passage of hurricanes–either by forerunning surges or radiated swells.

d. Water temperature and its anomalies

Surface water temperatures in the Gulf range from 18° to 24°C in February and 28° to 30°C in July. The summer sea surface temperature (SST) is rather uniform across the Gulf, whereas the winter SST decreases from the Yucatan Channel to the northern Gulf Coast. A good indicator of the flow pattern and strength of the northward flowing Yucatan Current is the temperature of the warmed area near the coast.

The thickness of the surface mixed layer may reach 125 m, but the mean thickness of this layer is about 90 m in the winter season. The core of the subtropical salinity maximum is located at an average depth of 200 m the level of the 16°C isotherm. At 1500 m the approximate mean temperature is 4.2°C, changing very little either vertically or horizontally.

Water temperature anomalies on the shelf of the Gulf are caused mainly by winter frontal passages, hurricanes, and river runoff. Intense local cooling in the spring was found on transects 28 miles SSE of Alligator Harbor. East of the Mississippi Delta investigators found temperature drops of 10°F within 2 to 3 miles in the winter of 1960-61. Heat losses from the sea to the atmosphere during the passage of cold fronts over the shelf south of Galveston Bay are larger than the heat losses calculated for the Sea of Japan during the winter monsoon.

In deep water, temperature anomalies are generated by changes in the course of the Loop Current, particularly in the eastern Gulf, and by the passage of hurricanes. When the Loop Current or its detached eddy moves into the area, the water temperature increases down to the depth of approximately 30 m. When a hurricane passes, the temperature in the upper mixed layer decreases in the intense wind zone of the storm, but increases outside that zone.

e. Upwelling, internal waves, and special cases

Persistent upwellings within the Gulf of Mexico are generally caused by seasonally persistent wind stress over the water. The regular easterly winds of spring and summer in the southern Gulf create the intense upwelling on the Campeche Bank. Less persistent and more complicated upwelling exists along the western side of the Loop Current, where deep water is driven upward in partial response to geostrophic forces. Sporadic upwelling is associated with hurricane passage; the water below the thermocline has been observed to rise 60 m or more after passage of the storm.

In a stratified sea, a translatory internal wave can be generated without disturbing the free surface. The passage of internal waves is demonstrated most directly by the vertical oscillation of the water temperature field. The internal waves in the basin of the Gulf can be generated by hurricanes, by large low or high pressure systems, and by exchanges of energy at the edge of major current systems. Within the Gulf, few internal wave measurements have been made. Hurricane-induced internal waves have been noted to have amplitudes of tens of meters. Measurements of periods are sparse; there was only one report of waves with tidal periods.

f. Red Tide

The sporadic bloom of the detritus, Gymnodinium brevis (an unarmored dinoflagellate), causing mass mortality of marine animals off the southwest coast of Florida, is popularly known as the Red Tide. Observations during the Red Tide bloom of 1946–47 frequently noted patches of dead fish several miles to several tens of miles in width.

One investigator has estimated that Red Tide blooms have occurred in 9 out of the 15 years between 1946 and 1960. They have been found from the Dry Tortugas along the Florida Keys and northward to Clearwater, generally moving northward and shoreward. Scientists believe that several factors, including salinity and temperature, play contributing roles. However, the chain of causative events is little known.

Chew (1955) presents the following rational mechanism for Red Tide occurrences: The phenomenon is keyed to a convergence of four different water masses (Mississippi estuarine, Florida Coast estuarine, Loop Current, and Florida Bay). In the SW Florida Shelf case, it has been shown that organisms or detritus floating in an area 10 miles offshore, of say 100 square miles initially, will be concentrated into an area of 33 square miles at the end of 6 weeks as the column flows toward deeper water. This concentration agrees with Ketchum and Keen (1948). The phosphorus content of water containing the Red Tide organisms was found to be from 2.5 to 10 times the expected maximum.

When convergence in the X-direction and Y-direction are in phase, patches of floating, nonswimming organisms and other detritus will be denser than usual.

During periods of Red Tide bloom, the horizontal convergence inherent in the movements of water columns toward the open Gulf will concentrate floating (or weakly-swimming) Red Tide organisms or detritus into large and dense patches offshore. Some of these patches will be lost to the Loop Current, but some will return toward shore, and with increasing negative vorticity will tend to beach. Surface winds can modify these patterns. Moderate, steady, onshore winds during the Red Tide bloom produce severe Red Tide concentration along the coast.

Against the immediate advantage provided by a strong offshore wind in keeping possible Red Tide patches away from shore is the longer-term disadvantage of possibly having "seeded" the offshore current with large volumes of estuarine water which may carry with them favorable conditions for a Red Tide bloom.

5. The Loop Current of the Gulf of Mexico

The primary current in the Gulf of Mexico is in the form of a loop entering through the Yucatan Channel and leaving through the Florida Straits. Figure VII-7 shows typical positions in September. This current usually transports more than 25 million m^3/sec of water at speeds from 50 to 200 cm/sec. Although it retains its physical characteristics along the line of flow, its path is known to be highly variable. Little information on the variations is published. The Loop Current is always strong, however, and the current on either side of the loop is largely contained in a band 90 to 150 km wide.

Leipper (1970) who constructed the charts from observations made in 1965-1966, (fig. VII-5), suggests that there is a systematic development and breakdown of the pattern of the Loop Current, which may have seasonal aspects. One aspect is that the growth of the loop from a small one to one intruding deeply into the Gulf seems to be a spring phenomenon and is therefore given the name *spring intrusion* (fig. VII-8). Another is that the winter cooling of the northern Gulf affects the circulation. However, the development is different each year.

In summer, at least two different patterns may occur. Each leads to its own unique series of subsequent patterns, but each consists of a fall spreading to the west. In one case, the entire loop remained connected (as in 1966) and the current did not decrease markedly in intensity downstream. In the other situation (August 1965), a portion or all of the upper part of the loop broke off from its feeder current. In this case the isolated or partly isolated eddy decreased in intensity and shifted in position, probably toward the west.

a. Signatures of the Loop Current

Width 60 to 80 km
Thickness (velocity 1 kt) 500 m
Velocity 50 to 200 cm/sec (1 to 4 kt)
  early summer 67 km/da (1.8kt)
  October-November 45 km/da (1.0 kt)
  Maximum 4 to 5 kt
Volume transport 25 to 30 x 10^6 m^3/sec

Suggested seasonal pattern:
Spring–Intrusions from small loop in SE Gulf to 87° to 89°W
Summer–Continued intrusion toward 90°W and spreading into wider tongue
Fall–Spreading, filling central basin almost to 1,000-fm isobath
Winter–Receding back to SE Gulf

6. California Current System

The California Current is the eastern limit of the anticyclonic gyre that dominates the North Pacific Ocean. It is a broad sluggish current characterized by cool, low-salinity water. Warm high-salinity water is found to the west (central North Pacific) and south (vicinity of the Golfo de California). Upwelling along the coastal boundary of the current introduces cool, unusually high-salinity water to the surface layer.

The North Pacific gyre is largely wind-driven. Seasonal variation of the winds is indicated by seasonal variation of the strength and location of atmospheric pressure cells. The currents respond to variations in wind. A strong northerly wind component in spring through fall strengthens the current and a narrow countercurrent flows close to the coast away from the equator at depths below 200 m. In winter the south-setting component weakens or reverses and an inshore countercurrent (Davidson Current) develops along portions of the coast.

To understand better the variability of wind-driven currents, figures VII-27 and VII-28 are provided. Figure VII-27, developed by James (1966), is a simplified nomogram for determining deep-ocean currents when the wind speed, direction, fetch, and duration are known. Figure VII-28, developed by Bretschneider (1967), is a nearly comparable nomogram for computing littoral current; however, it is valid for 100-ft depths only. If the surface wind climatology is known (see Atmospheric Conditions, I) and these nomograms are applied, a better understanding of the surface wind driven current will result.

a. Signatures of the California Current System

1) *Components*

California Current
California countercurrent (Davidson Current)
California undercurrent
Eddies and upwelling

2) *California Current*

(a) *Formation:* Wind-driven eastern segment of North Pacific anticyclonic gyre. Replaces water that is carried westward by the drag of the NE trades.

(b) *Seasonality:* Directions change very little; speeds are greatest when N and NW winds are strongest:
[1] Oregon-Washington in August
[2] Northern California in June and July
[3] Southern and Central California in May and June
[4] Baja California in April and May

(c) *Mean Position:* From 48°N to 23°N; from near coast to about 700 km seaward.

(d) *Current Speeds*
[1] A broad, sluggish southsetting current with little variability.
[2] Seasonal. Annual averages are: 7.7

nmi/da, northern part; 5.0 nmi/da, southern part.
[3] No high velocities except locally in eddies.
(e) *Total transport:* 10 x 10^6 m^3/sec

3) California countercurrent (Davidson Current)

(a) *Formation:*
[1] Northern Baja California: only disorganized eddies; Southern Baja California: current is evident all year.
[2] North of Baja California and south of Pt. Conception: current is made up of irregular eddies in months when N and NW winds are strong, more or less continuous when these winds are weak or nonexistent. '1' Large semipermanent cyclonic eddy south of Pt. Conception.
[3] *North of Pt. Conception:* current is weak or nonexistent in months of stronger N and NW winds, but becomes the Davidson Current, continuous and fairly strong, in other months.
[4] *Davidson Current* develops and extends at least to 45°N in November, December, and January.
(b) *Seasonality*
[1] Exists late fall to early spring north of Pt. Conception.
[2] Among Channel Islands off southern California; nearly permanent eddy; weak or nil March through May.
[3] Usually continuous around Pt. Conception November to January.
[4] Inshore: northward and westward; (beyond the inshore flow: southeastward); (outer edge: evidence of counterflow [northward]).
(c) *Meanders and eddies* common at sea surface; evident also at 250 m.

4) California undercurrent

Wooster and Jones (1970) used Richardson-type current meter data from four moored Geodyne buoys off of northern Baja California to monitor the N and NE setting undercurrent in the area. Their direct measurements were made in August 1966, off Cabo Colnett (31°N). Reid (1962, 1963) used parachute drogues to measure the current at a depth of 250 m, within 50 nmi of the northern Baja California coast, and off the California coast at 36°N. Based on these observations and Defant (1961), the following may be stated concerning the California undercurrent:

(a) *Formation:*
[1] Subthermocline poleward flow:
warm;
high salinity;
low oxygen content;
[2] From southern Baja California to Pt. Conception: extends at times to Cape Mendocino (40°51'N)
[3] Holds close to Continental Slope
(b) *Flow pattern:*

Northern Baja California (31°N) and 36°N

(31°N)	36°N
Near coast: northwest and west	north
width: 28 km	70 km
speed (average): 6 cm/sec	greater than 15 cm/sec
speed (maximum) 10 cm/sec	22 cm/sec
Offshore: southeast	southeast
width: 70 km	90 km
speed (average): 6 cm/sec	greater than 15 cm/sec
Out zone: direction uncertain	north
width: 50 km	to end of observations
speed: very slight	slight
Thickness: 300 m	greater than 250 m
Transport: 2 x $10^6 m^3$/sec	unknown
Temperature of water: 8 to 11°C	unknown
Eddies: fairly common	fairly common

According to Wooster and Jones, at 31°N:
width is 20 km
thickness is 300 m
average speed is 30 cm/sec
maximum speed is 40 cm/sec (swift, narrow, and pressed against the Continental Slope);
at 400 m depth, flow was 20 cm/sec

b. West coast upwelling

Persistent currents parallel to a sufficiently long and regular coastline in the northern hemisphere tend to "bank to the right" just as jet stream air currents do in the free atmosphere. This is a manifestation of the Coriolis parameter which varies directly with the speed of the current and the sine of the latitude. It is also affected by the topography over which the phenomenon occurs.

When a persistent current flows with the coast on the left (facing downstream), the lighter surface water, which has higher velocities than the deep water, will move with a lateral seaward component. The continuity condition then requires a rising water movement at the coast. Thus, cold, dense, nutrient-rich deep water is drawn to the surface as a replacement for the evacuated warmer surface water. The circulation cell thus formed reaches below and destroys the permanent thermocline (and picnocline).

Figure VII-29 is a vertical cross-section made off the coast of Oregon in June 1967 by Pak, et al. (1970). The water temperature near the coast is 4°C colder than that 25 to 30 miles farther seaward. In the sketch it is obvious from the slope of the isotherms and their packing on the right side that the colder water is actually cold deep water brought upward toward the surface. According to Sverdrup (1941) the upwelling brings water up from no deeper than 200 to 300 m. This phenomenon is seasonal, occurring mainly in the spring and early summer, from March to July. It is absent in autumn and winter. Intense upwelling, apparent in alternating low and relatively high temperatures, indicates that the phenomenon occurs in tongues or streaks.

According to Defant (1961), the following information on West Coast upwelling is valid:

1) *Extent of Upwelling:* Out to the Continental Slope;
   Down to 200 to 300 m;
   From 46°N to 25°N;
   Maximum intensity at Cape Mendocina; other centers of action at 35°N, 41°N, and 24°N
2) *Intensity:* Temperature change: On coast, up to 5° colder than surface water 25 to 30 km out to sea;
   Vertical speed of upwelling water:
   Near the coast (Pak et al, 1970)–8.64 m/day
   Offshore (Defant, 1961)–2.7 m day
   At 40 km from coast, vertical speed is reduced to 6% of coastal value.
   At 50 km from coast, vertical speed is reduced to 3% of coastal value
3) *Seasonality:* Onset in March;
   Maximum intensity, July–August culmination coincides with maximum frequency of NW winds).
4) *Requirement:* Wind driven current with a flow component parallel to the coast (coast to the left of current direction);
   Continuity condition requires a rising water movement at the coast.

The upwelling phenomena extend from 46°N to 25°N and have a maximum at Cape Mendocina.

Figure VII-9 shows a summary of the annual march of temperatures at four stations near the coasts of southern California and Baja California, made by the California Cooperative Ocean Fisheries Investigations (CalCOFI). The temperatures were observed at 10 m below the sea surface every month for 13 yr (1950–62). In each of the four summaries, the

(1) straight horizontal line is the 13-yr mean water temperature,
(2) curved solid line is the march of mean monthly temperatures,
(3) curved broken lines are one standard deviation from the mean,
(4) dots are observed temperature values,
(5) correlation coefficients are given.

Station number 70.52 is closest to the coast and the upwelling effects are the most obvious; the anomalous cooling is in June, July, August, and into September. Station 70.70 is seaward of the intense upwelling which is still apparent by the relatively cool maximum temperatures. The temperature minimum here is in February-March and the maximum is in September. Station 93.50, like Station 70.70, is seaward of the continental slope and the area of intense upwelling. Low temperatures until May or June may be due to advection of waters from higher latitudes and upwelled coastal water. Upwelling is not apparent at all at Station 127.40, near Punta Eugenia, Fifteen- or 16-yr mean monthly geostrophic surface currents are shown in fig VII-10 through 21.

Mean geostrophic currents at 200-m depth are shown for January, April, July, and October in Fig. VII-22 through 25.

The computed geostrophic currents at 500 m, based on post-1960 data, are shown in figure VII-26.

C. DATA

1. Idealized Surface Currents in the Gulf of Mexico

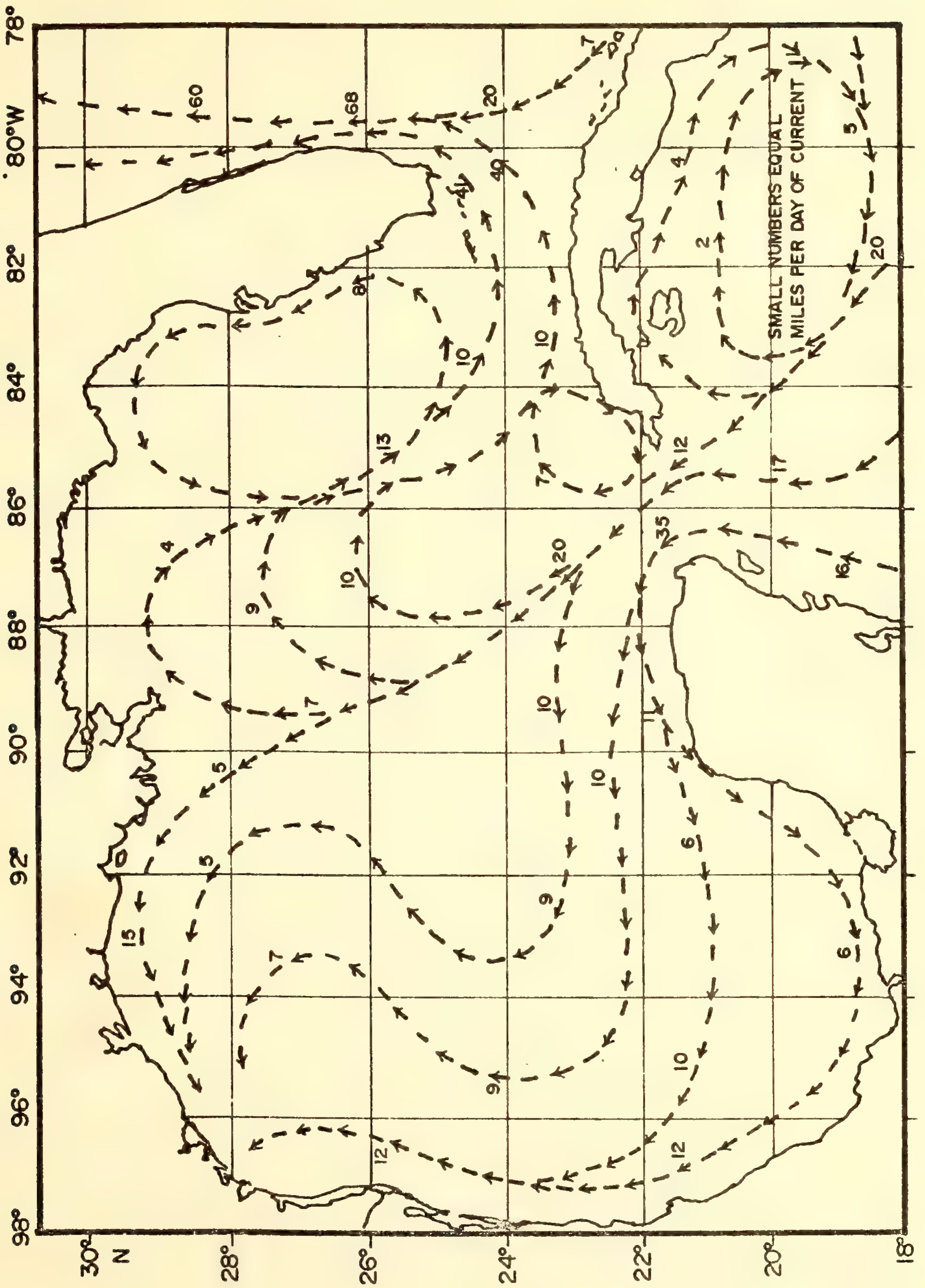


Figure VII-5.--Idealized surface currents in the Gulf of Mexico in June (after Leipper).

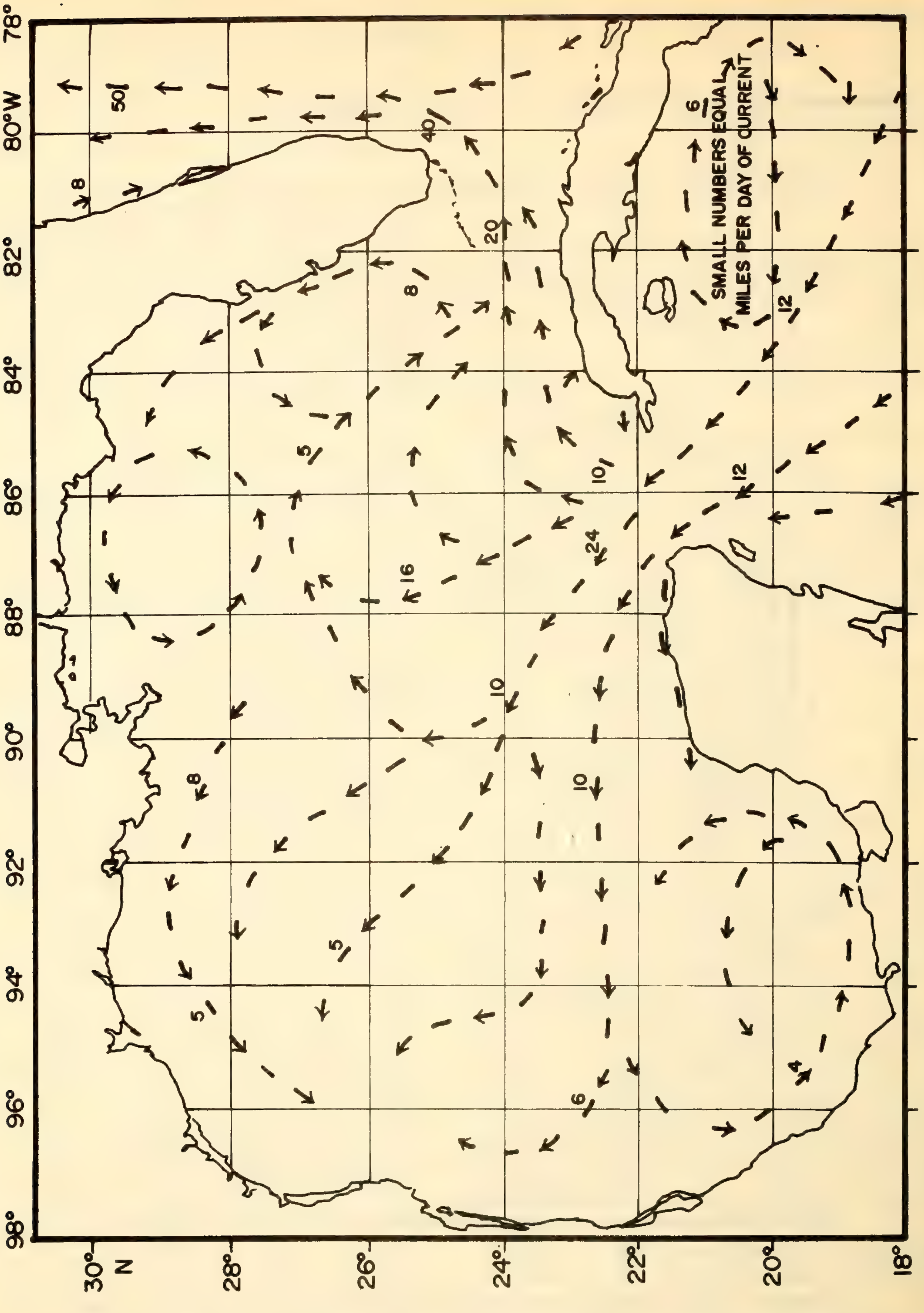


Figure VII-6.--Idealized surface currents in the Gulf of Mexico in December (after Leipper).

2. Typical Loop Current in September, Gulf of Mexico

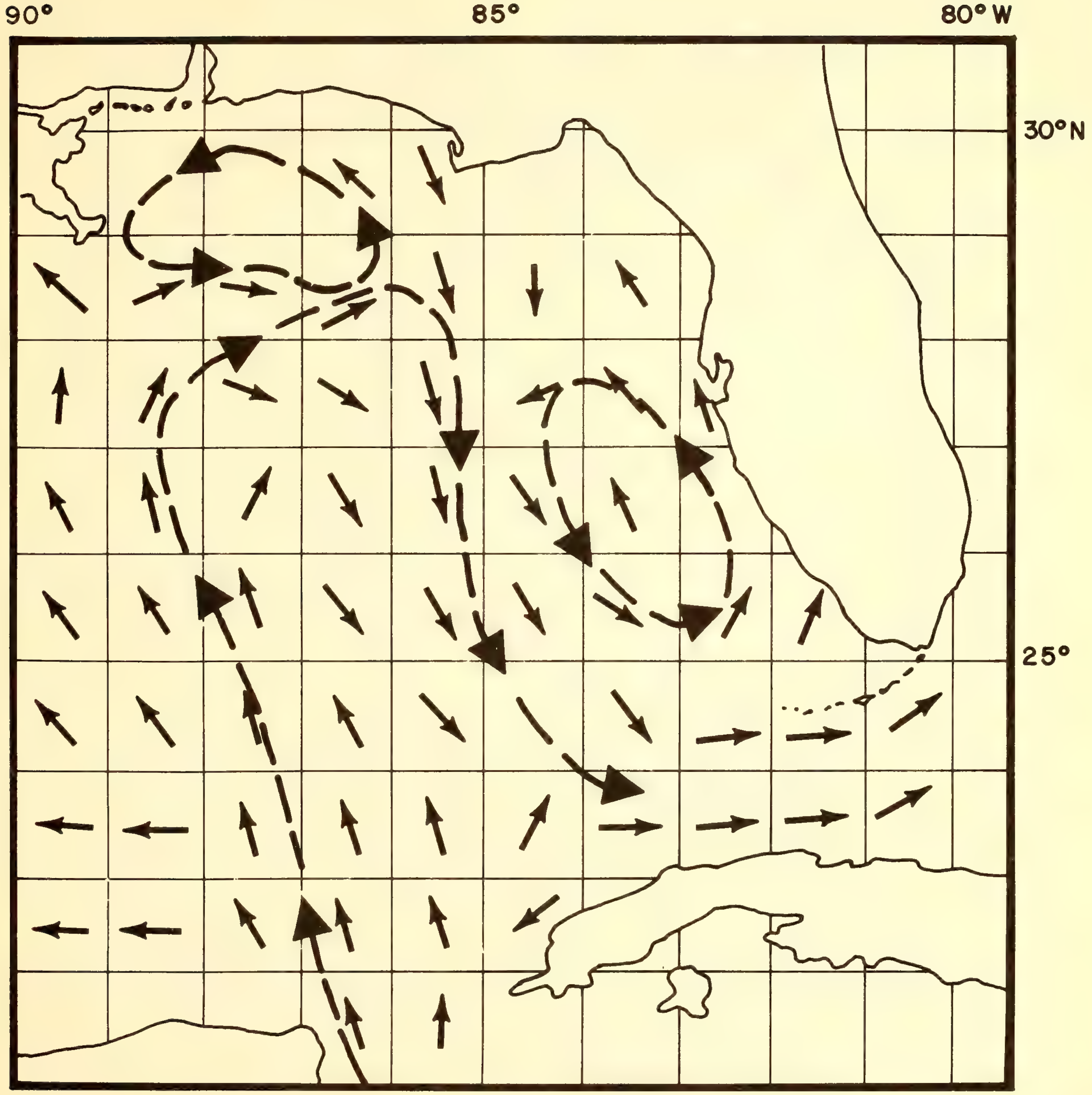


Figure VII-7.--Typical Loop Current in September with detached cyclonic eddies.

3. Spring Intrusion in Eastern Gulf of Mexico

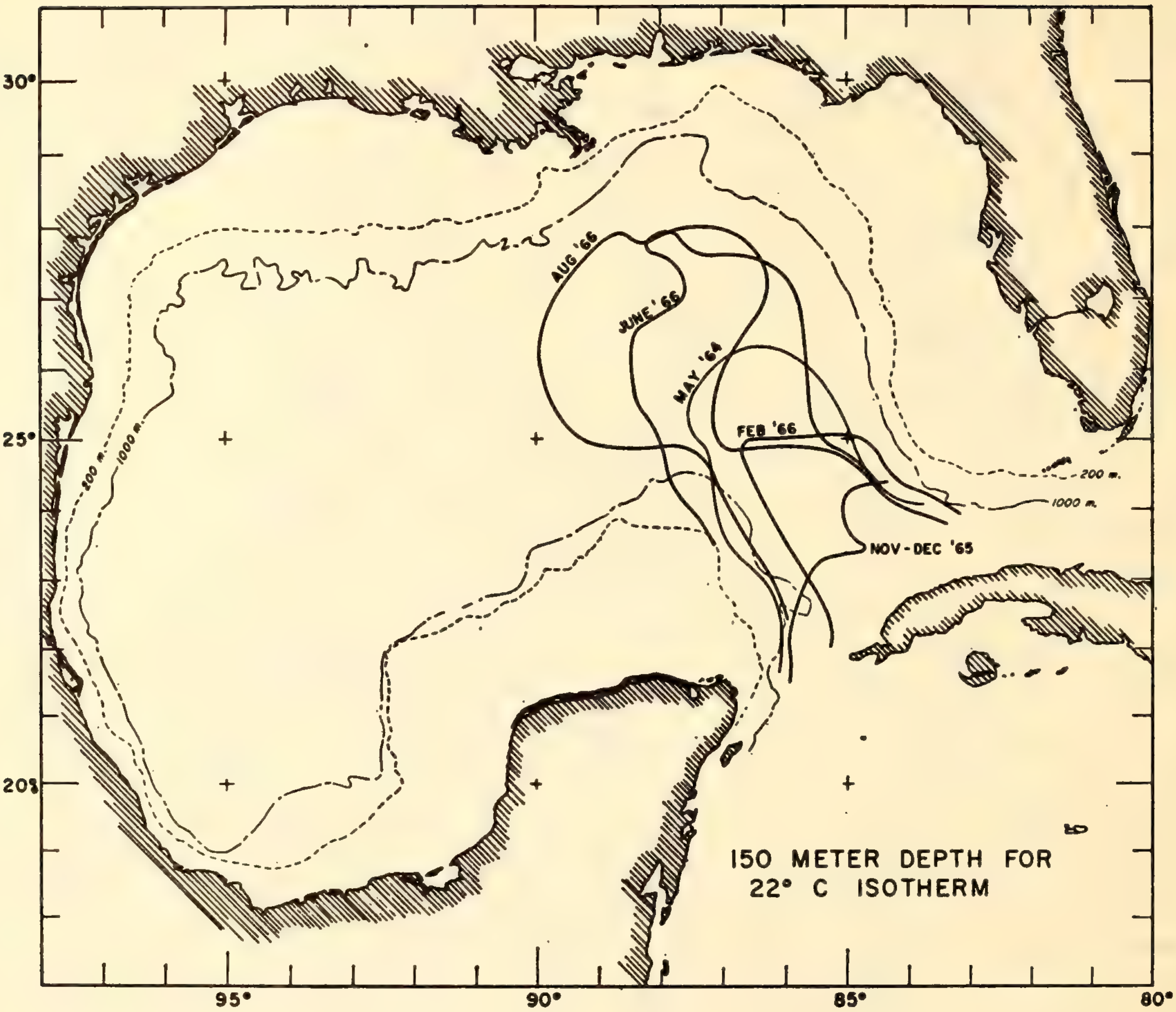


Figure VII-8.--Spring intrusion in the eastern Gulf of Mexico, 1966.

4. California Cooperative Ocean Fisheries Investigation (CalCOFI) Station Plan

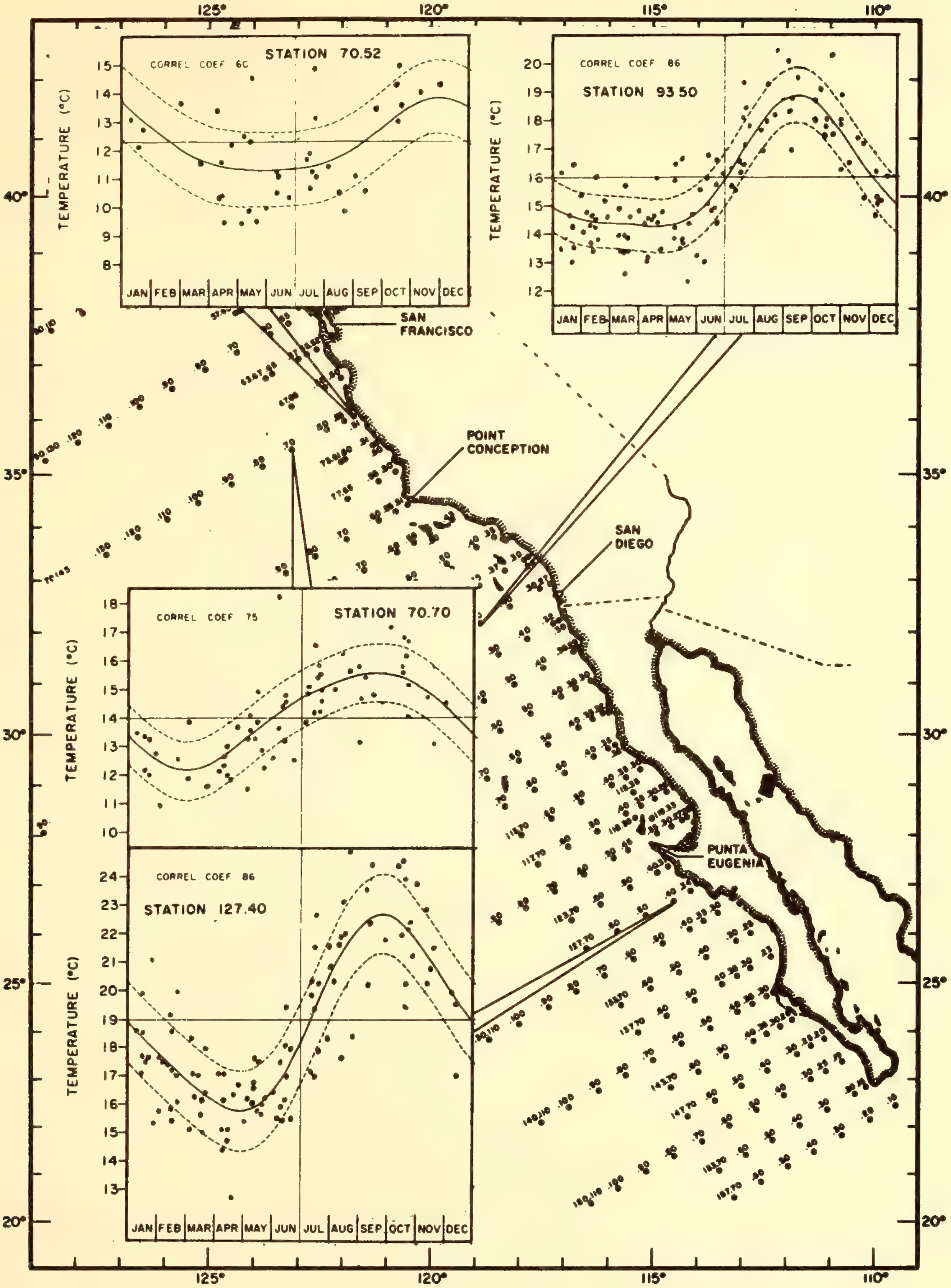


Figure VII-9.--California Cooperative Oceanic Fisheries Investigation (CalCOF) station plan since 1950 and selected temperature summaries.

5. Mean Geostrophic Surface Currents

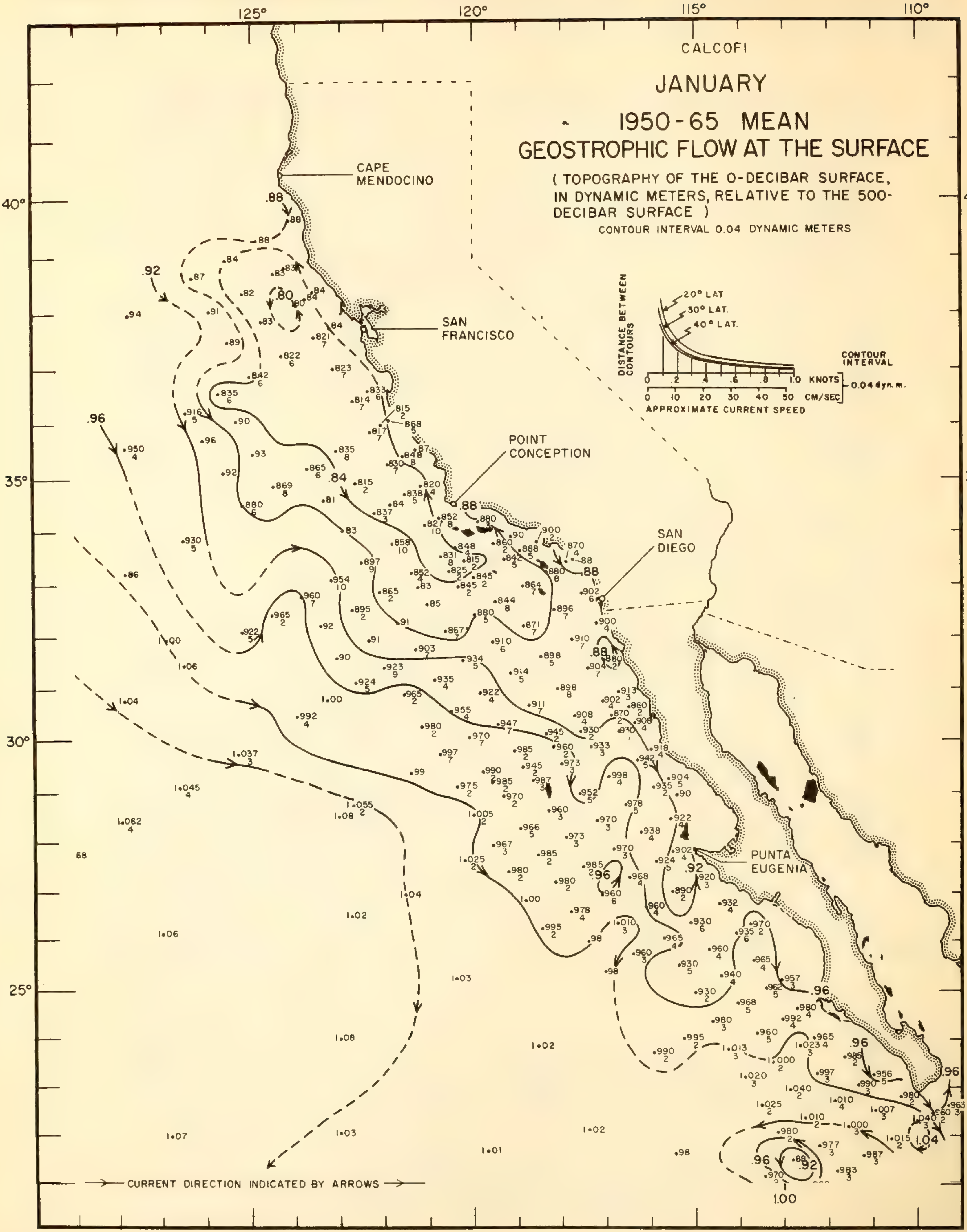

CALCOFI
JANUARY
1950-65 MEAN
GEOSTROPHIC FLOW AT THE SURFACE
(TOPOGRAPHY OF THE 0-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.04 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
20° LAT
30° LAT.
40° LAT.
CONTOUR INTERVAL
0.04 dyn. m.
0 .2 .4 .6 .8 1.0 KNOTS
0 10 20 30 40 50 CM/SEC
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
CURRENT DIRECTION INDICATED BY ARROWS
125°
120°
115°
110°
40°
35°
30°
25°

Figure VII-10.--January 16-yr mean geostrophic surface currents, California coast.

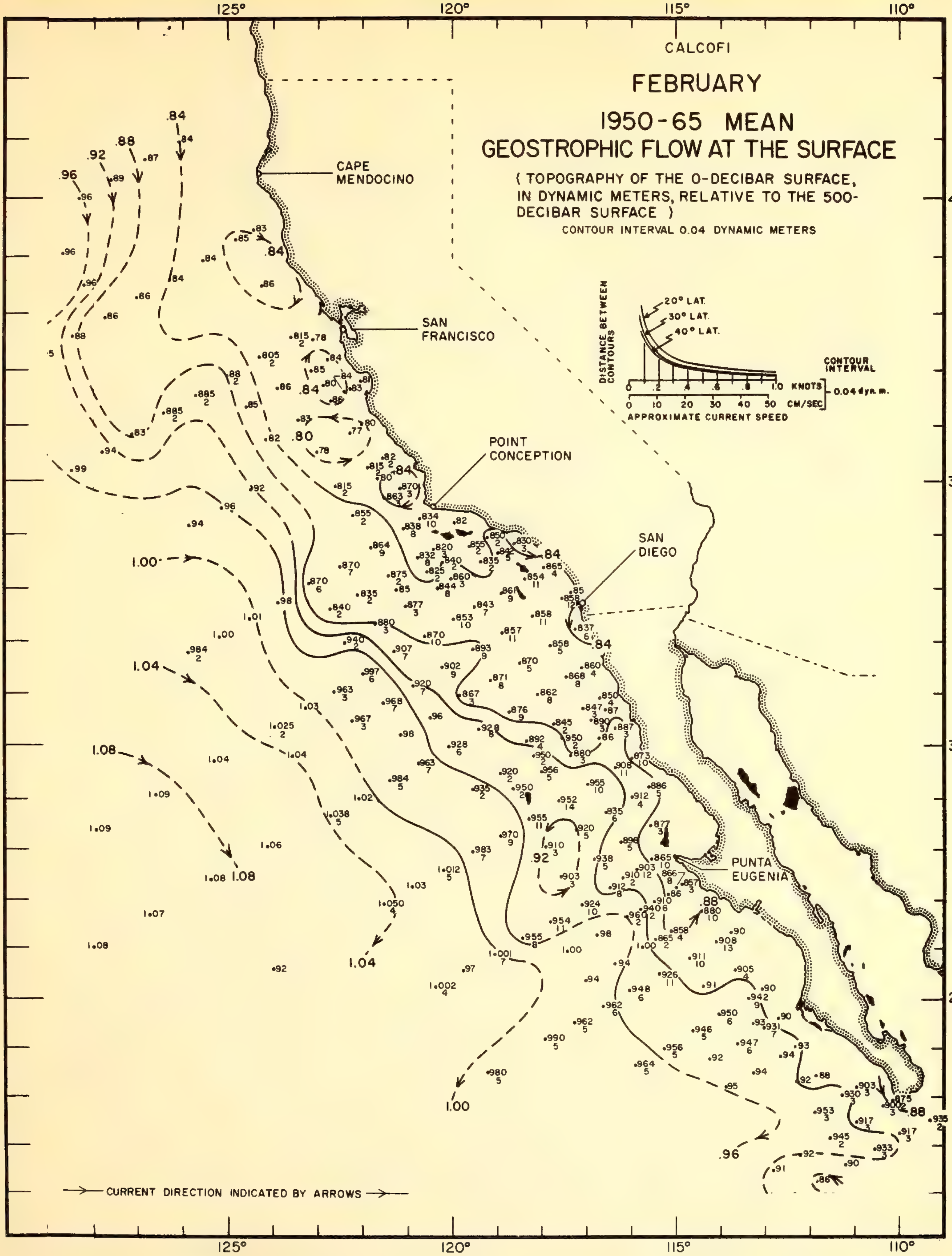


Figure VII-11.--February 16-yr mean geostrophic surface currents, California coast.

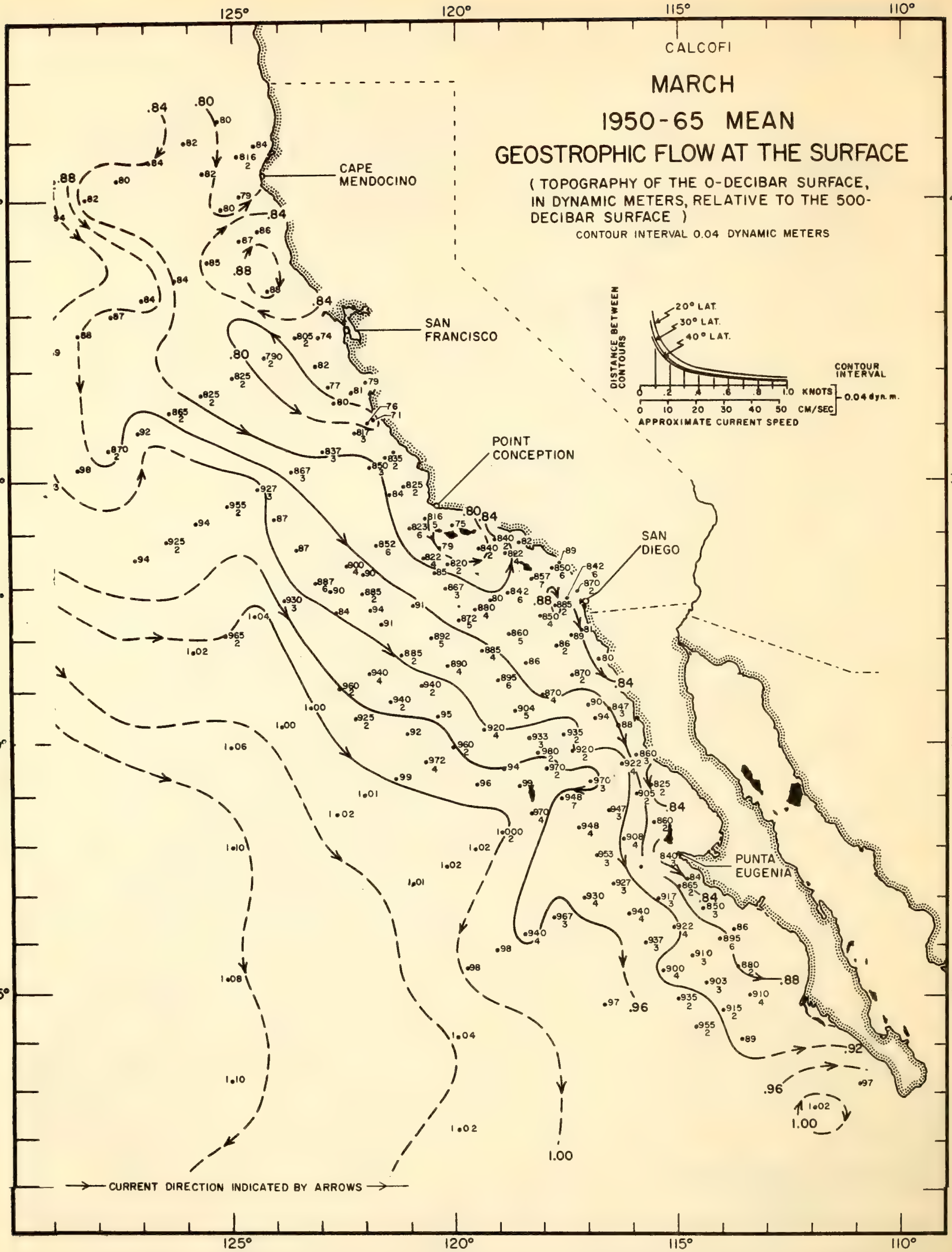


Figure VII-12.--March 16-yr mean geostrophic surface currents, California coast.

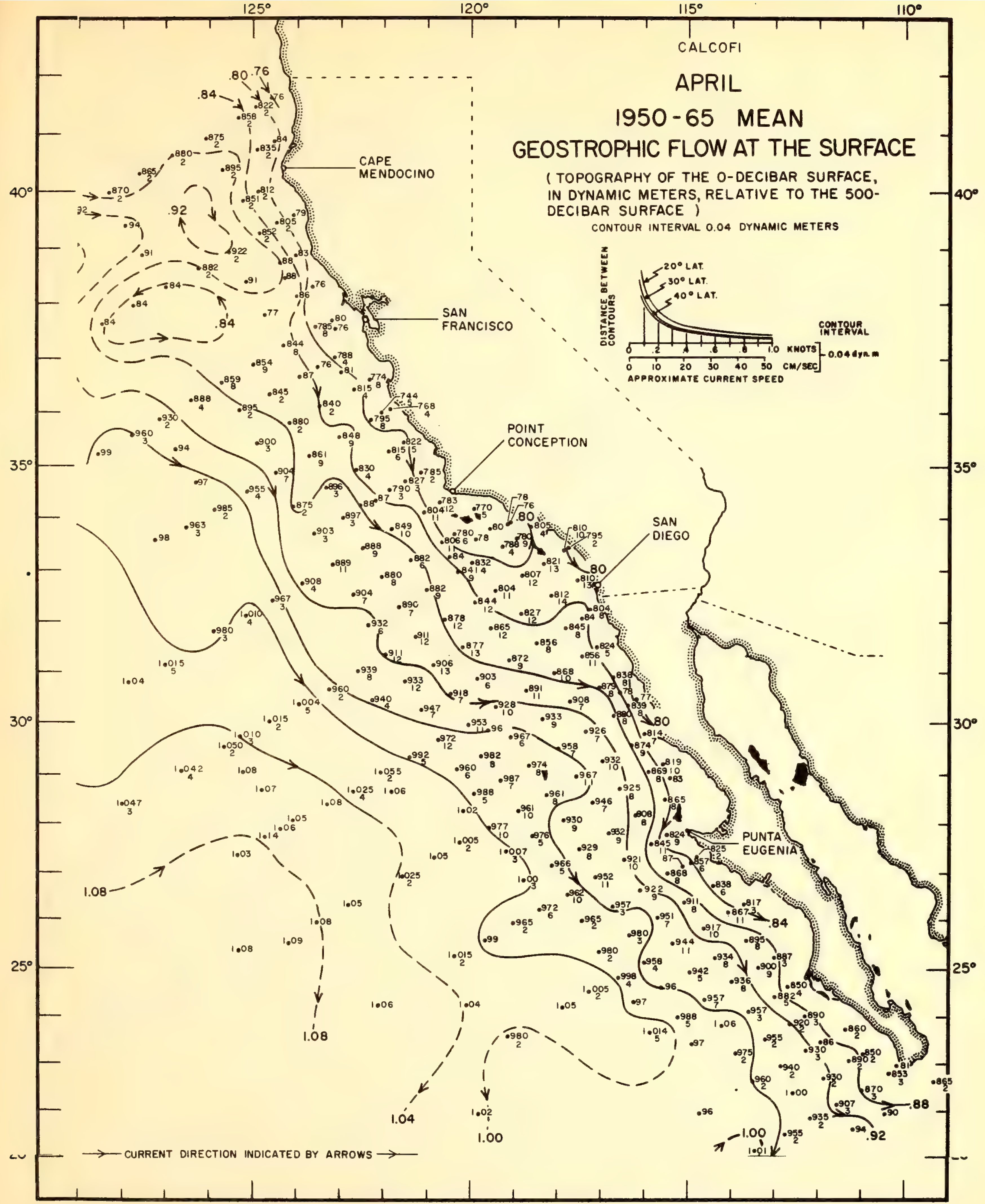

CALCOFI
APRIL
1950-65 MEAN
GEOSTROPHIC FLOW AT THE SURFACE
(TOPOGRAPHY OF THE 0-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.04 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
20° LAT.
30° LAT.
40° LAT.
KNOTS
CM/SEC
CONTOUR INTERVAL
0.04 dyn. m
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
CURRENT DIRECTION INDICATED BY ARROWS
125°
120°
115°
110°
40°
35°
30°
25°
.84
.92
.80
1.08
1.04
1.00
.88

Figure VII-13.--April 16-yr mean geostrophic surface currents, California coast.

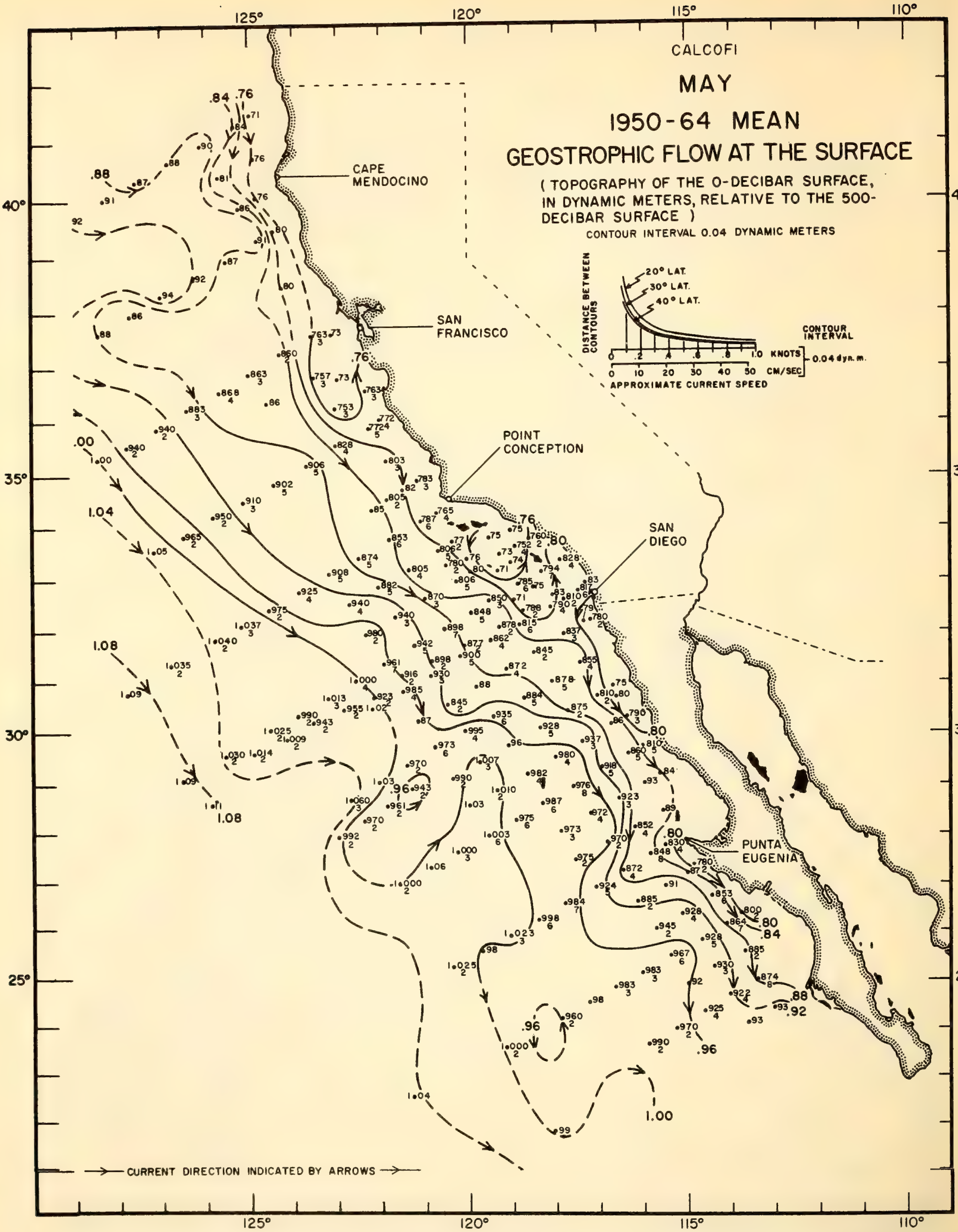

CALCOFI
MAY
1950-64 MEAN
GEOSTROPHIC FLOW AT THE SURFACE
(TOPOGRAPHY OF THE O-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.04 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
20° LAT.
30° LAT.
40° LAT.
CONTOUR INTERVAL
0.04 dyn. m.
KNOTS
CM/SEC
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
CURRENT DIRECTION INDICATED BY ARROWS

Figure VII-14.--May 15-yr mean geostrophic surface currents, California coast.

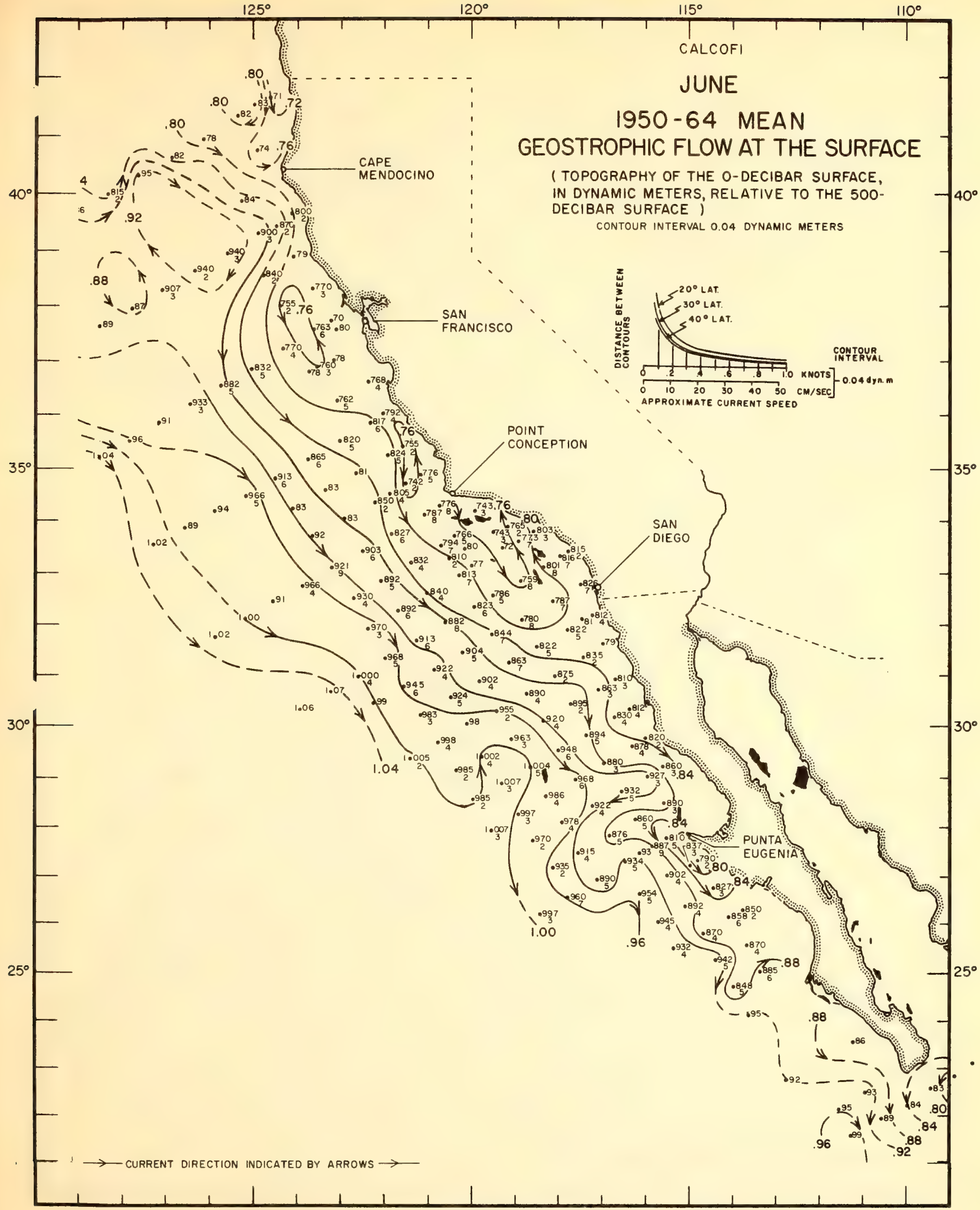

CALCOFI
JUNE
1950-64 MEAN
GEOSTROPHIC FLOW AT THE SURFACE
(TOPOGRAPHY OF THE 0-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.04 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
20° LAT.
30° LAT.
40° LAT.
CONTOUR INTERVAL
0 .2 .4 .6 .8 1.0 KNOTS
0 10 20 30 40 50 CM/SEC
0.04 dyn. m
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
.72
.76
.80
.84
.88
.92
.96
1.00
1.04
CURRENT DIRECTION INDICATED BY ARROWS

Figure VII-15.--June 15-yr mean geostrophic surface currents, California coast.

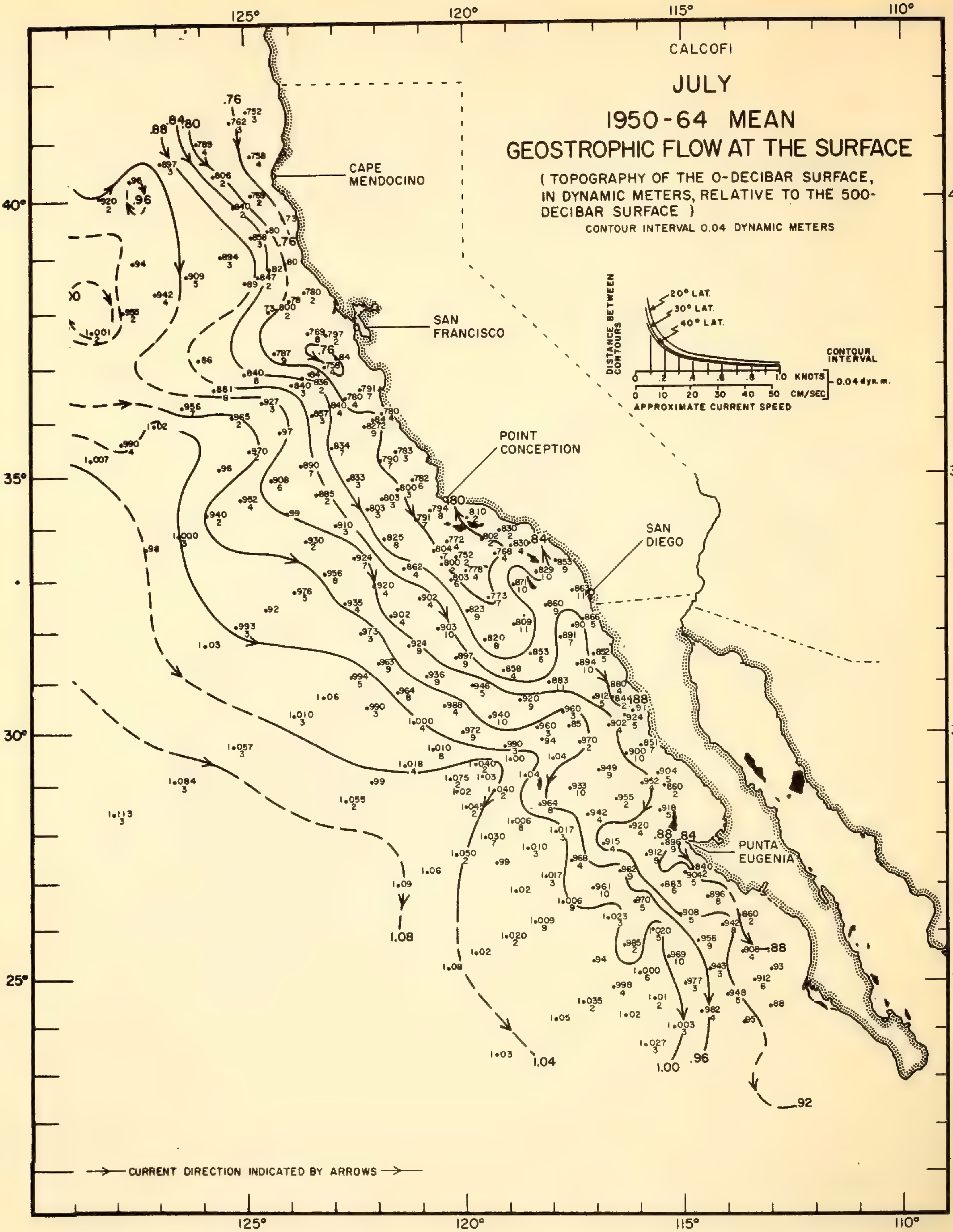

CALCOFI
JULY
1950-64 MEAN
GEOSTROPHIC FLOW AT THE SURFACE
(TOPOGRAPHY OF THE 0-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.04 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
20° LAT.
30° LAT.
40° LAT.
CONTOUR INTERVAL
KNOTS
0.04 dyn. m.
CM/SEC
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
CURRENT DIRECTION INDICATED BY ARROWS
125°
120°
115°
110°
40°
35°
30°
25°

Figure VII-16.--July 15-yr mean geostrophic surface currents, California coast.

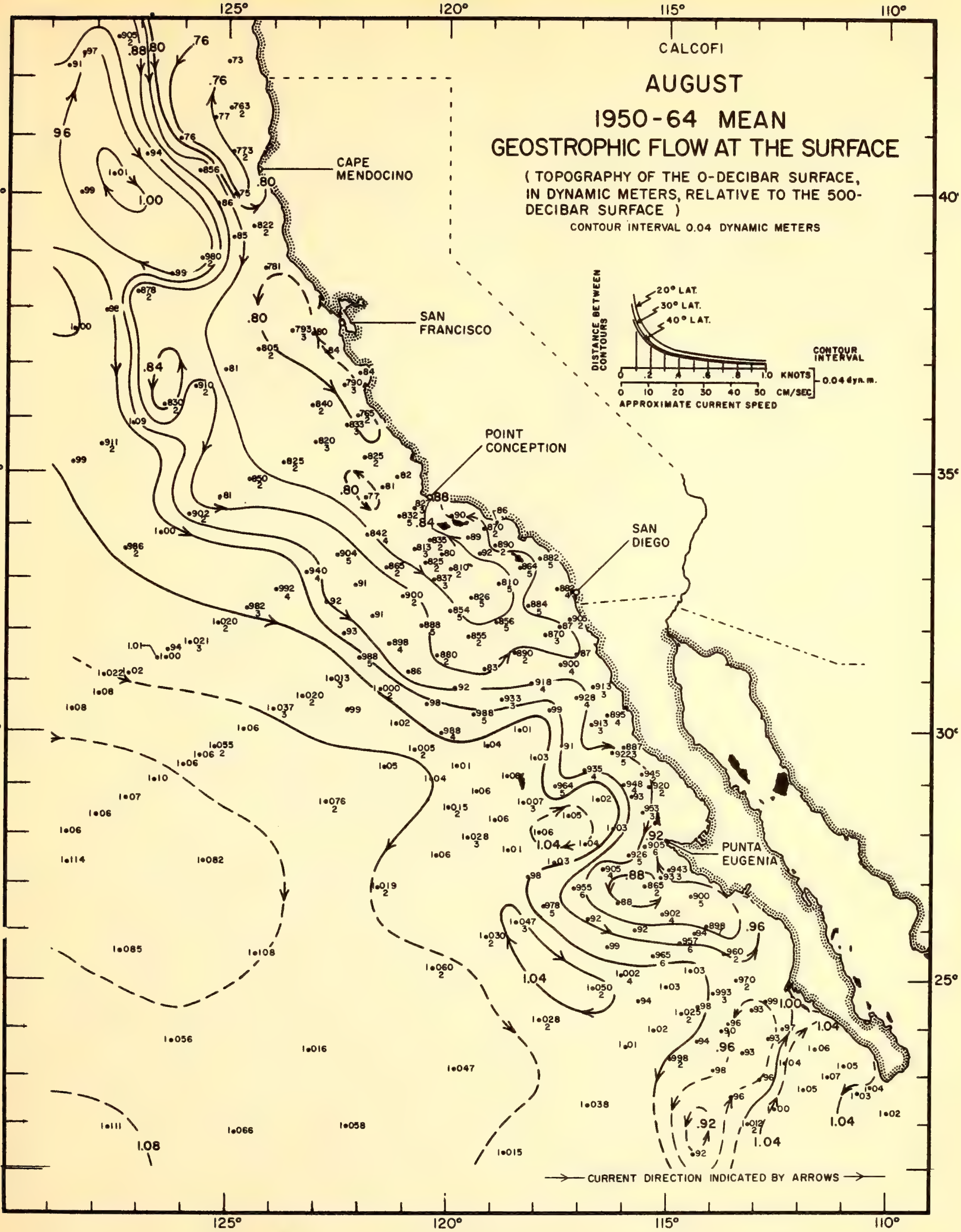

CALCOFI
AUGUST
1950-64 MEAN
GEOSTROPHIC FLOW AT THE SURFACE
(TOPOGRAPHY OF THE 0-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.04 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
20° LAT.
30° LAT.
40° LAT.
CONTOUR INTERVAL
0 .2 .4 .6 .8 1.0 KNOTS
0 10 20 30 40 50 CM/SEC
0.04 dyn. m.
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
CURRENT DIRECTION INDICATED BY ARROWS
125°
120°
115°
110°
40°
35°
30°
25°
.76
.80
.84
.88
.92
.96
1.00
1.04
1.08

Figure VII-17.--August 15-yr mean geostrophic surface currents, California coast.

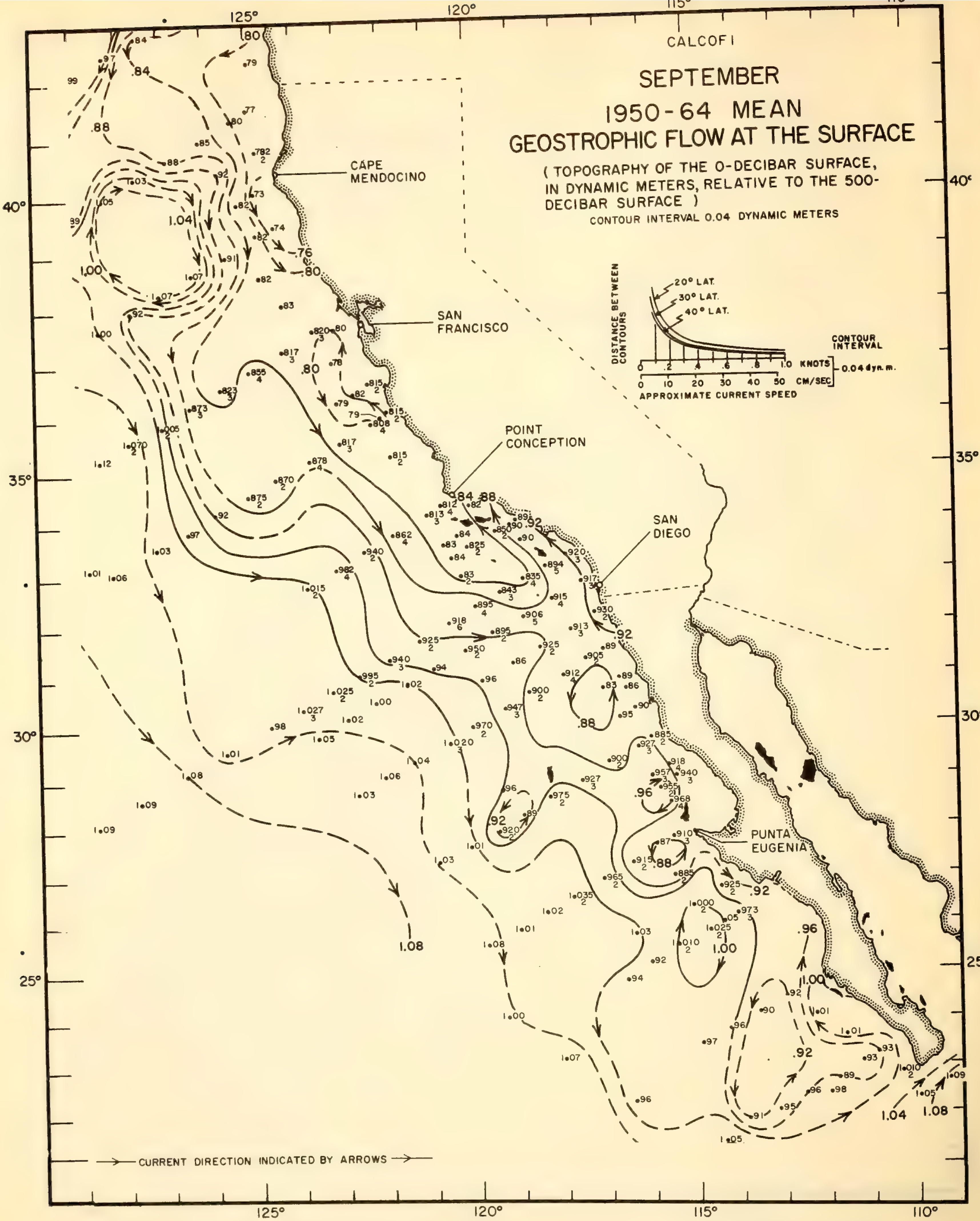

CALCOFI
SEPTEMBER
1950-64 MEAN
GEOSTROPHIC FLOW AT THE SURFACE
(TOPOGRAPHY OF THE 0-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.04 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
20° LAT.
30° LAT.
40° LAT.
CONTOUR INTERVAL
0.04 dyn. m.
KNOTS
CM/SEC
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
CURRENT DIRECTION INDICATED BY ARROWS
125°
120°
115°
110°
40°
35°
30°
25°

Figure VII-18.--September 15-yr mean geostrophic surface currents, California coast.

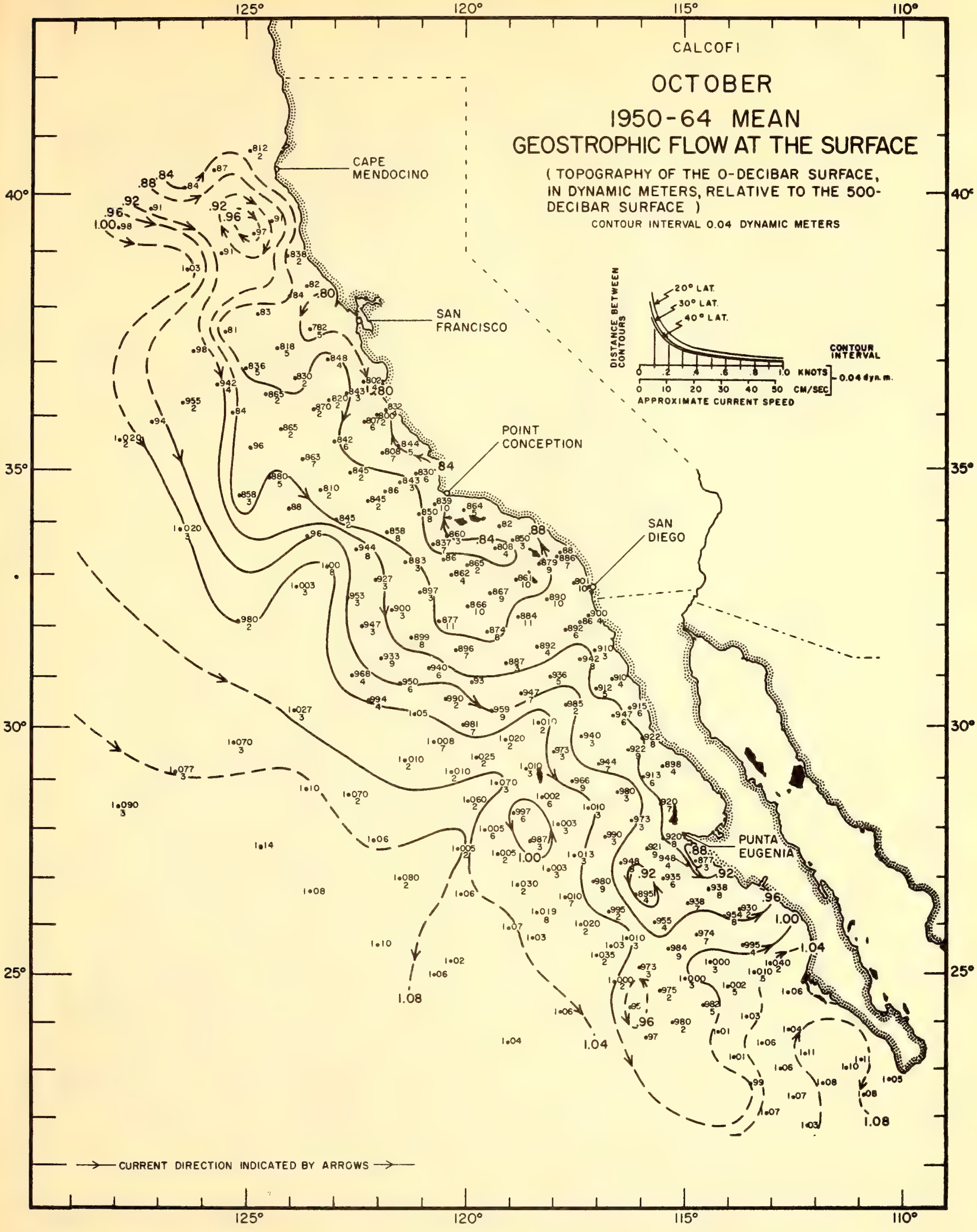

CALCOFI
OCTOBER
1950-64 MEAN
GEOSTROPHIC FLOW AT THE SURFACE
(TOPOGRAPHY OF THE 0-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.04 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
20° LAT.
30° LAT.
40° LAT.
CONTOUR INTERVAL
0 .2 .4 .6 .8 1.0 KNOTS
0 10 20 30 40 50 CM/SEC
0.04 dyn. m.
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
CURRENT DIRECTION INDICATED BY ARROWS
125°
120°
115°
110°
40°
35°
30°
25°

Figure VII-19.--October 15-yr mean geostrophic surface currents, California coast.

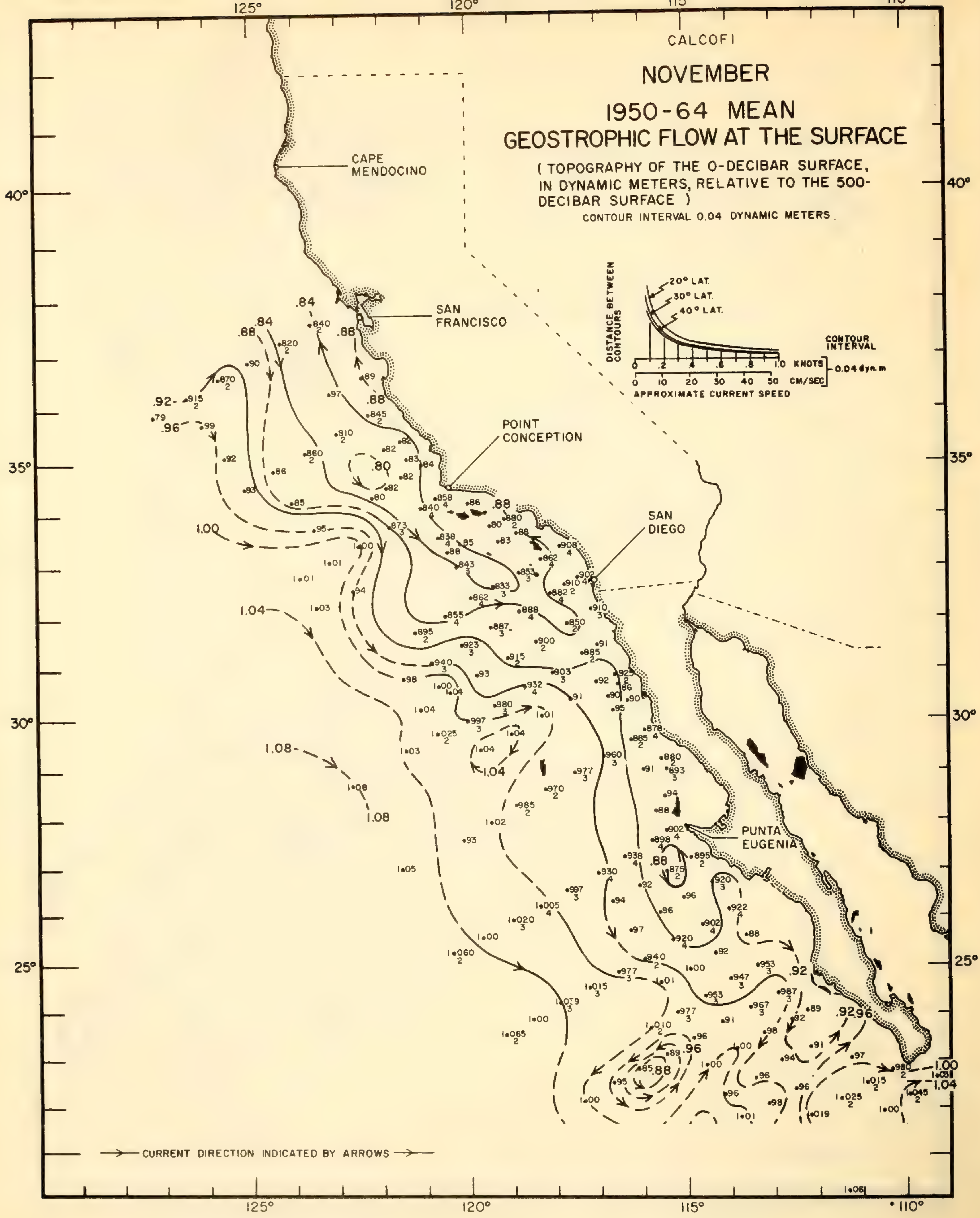

CALCOFI
NOVEMBER
1950-64 MEAN
GEOSTROPHIC FLOW AT THE SURFACE
(TOPOGRAPHY OF THE 0-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.04 DYNAMIC METERS.
DISTANCE BETWEEN CONTOURS
20° LAT.
30° LAT.
40° LAT.
CONTOUR INTERVAL
0.04 dyn.m
KNOTS
CM/SEC
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
CURRENT DIRECTION INDICATED BY ARROWS
125°
120°
115°
110°
40°
35°
30°
25°
.84
.88
.92
.96
1.00
1.04
1.08

Figure VII-20.--November 15-yr mean geostrophic surface currents, California coast.

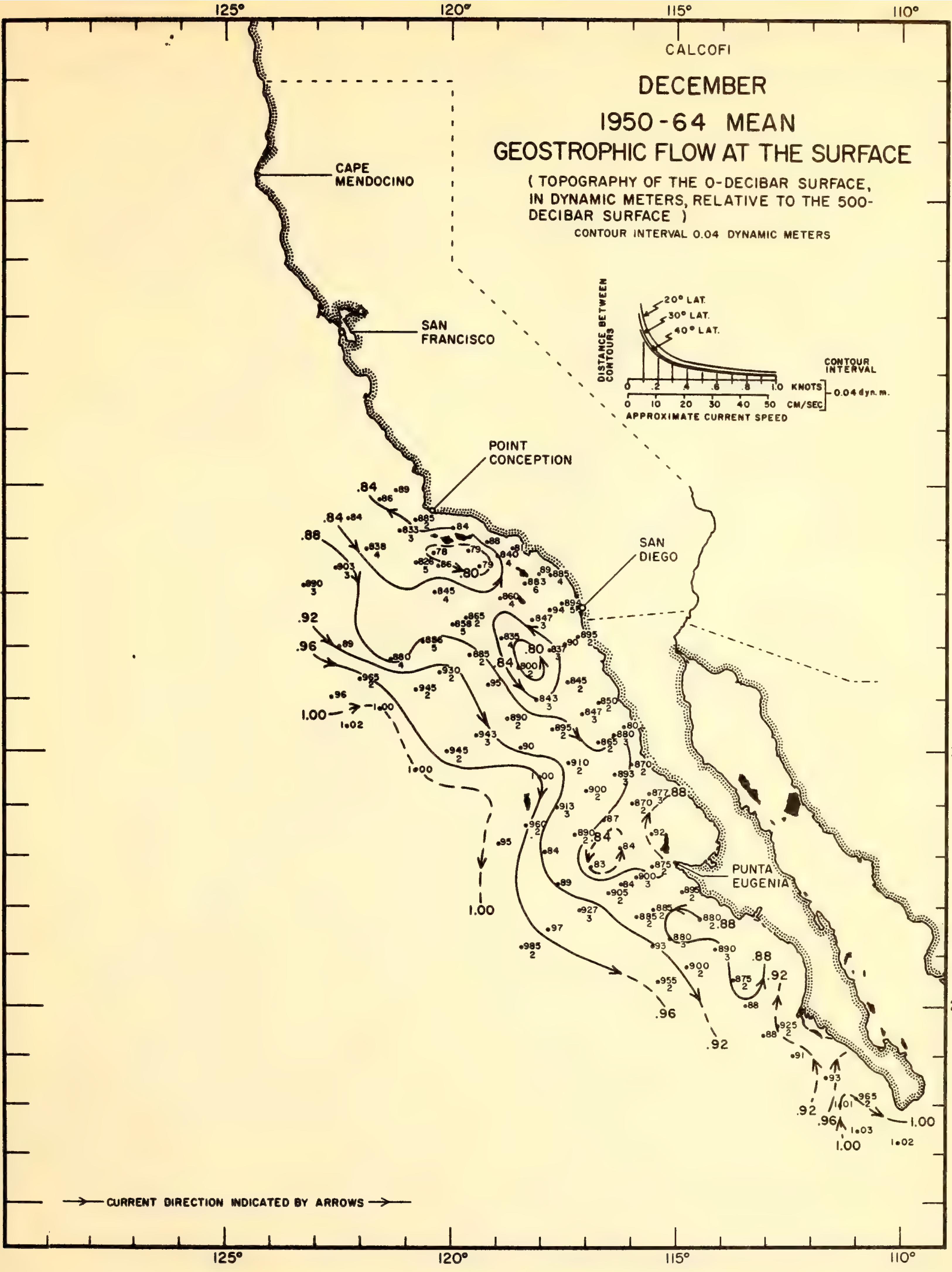


Figure VII-21.--December 15-yr mean geostrophic surface currents, California coast.

6. Mean Geostrophic Flow at 200 m.

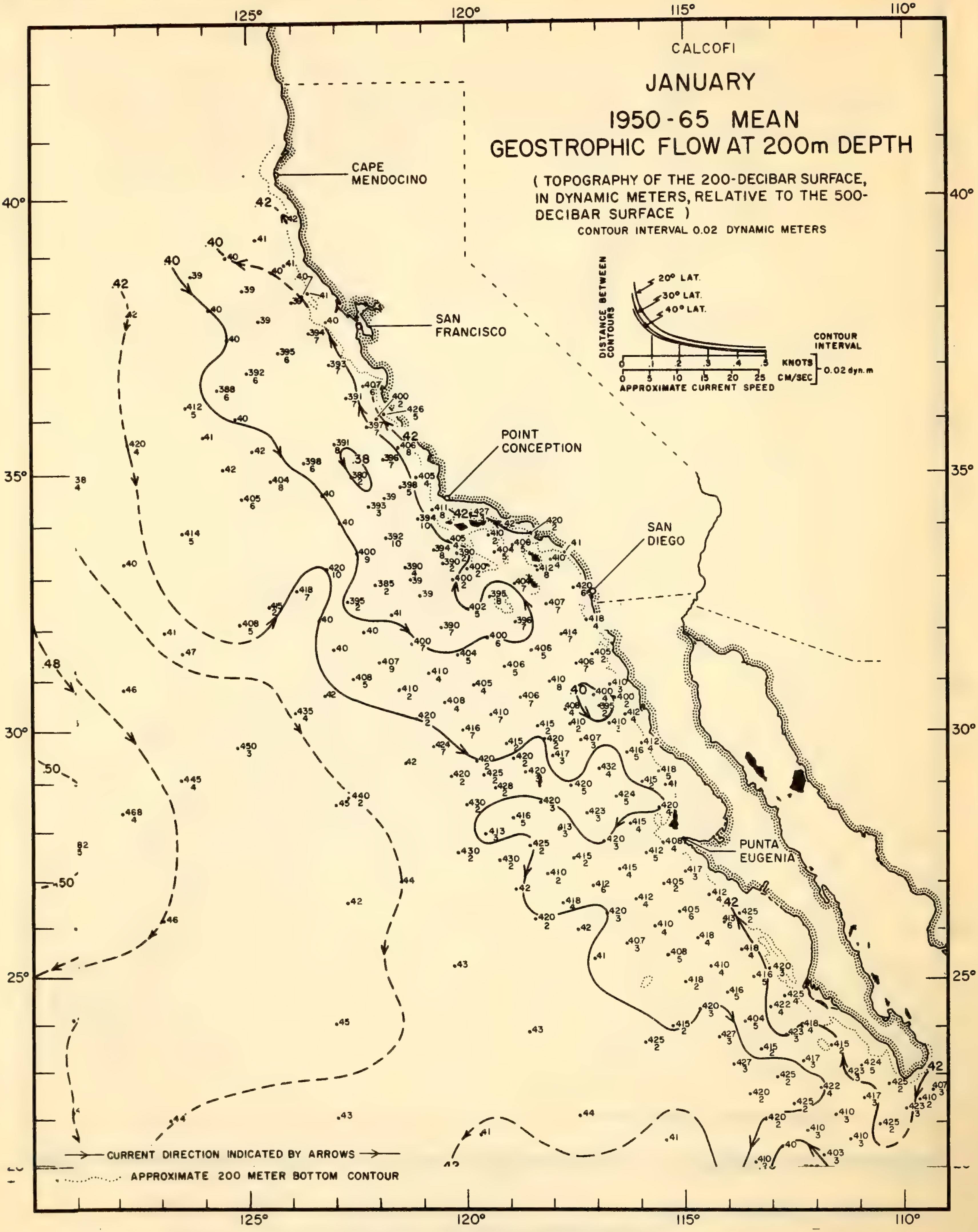

CALCOFI
JANUARY
1950-65 MEAN
GEOSTROPHIC FLOW AT 200m DEPTH
(TOPOGRAPHY OF THE 200-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.02 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
20° LAT.
30° LAT.
40° LAT.
CONTOUR INTERVAL
KNOTS
CM/SEC
0.02 dyn. m
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
CURRENT DIRECTION INDICATED BY ARROWS
APPROXIMATE 200 METER BOTTOM CONTOUR
125°
120°
115°
110°
40°
35°
30°
25°

Figure VII-22.--January 1950-1965 mean geostrophic flow at 200-m depth, California coast.

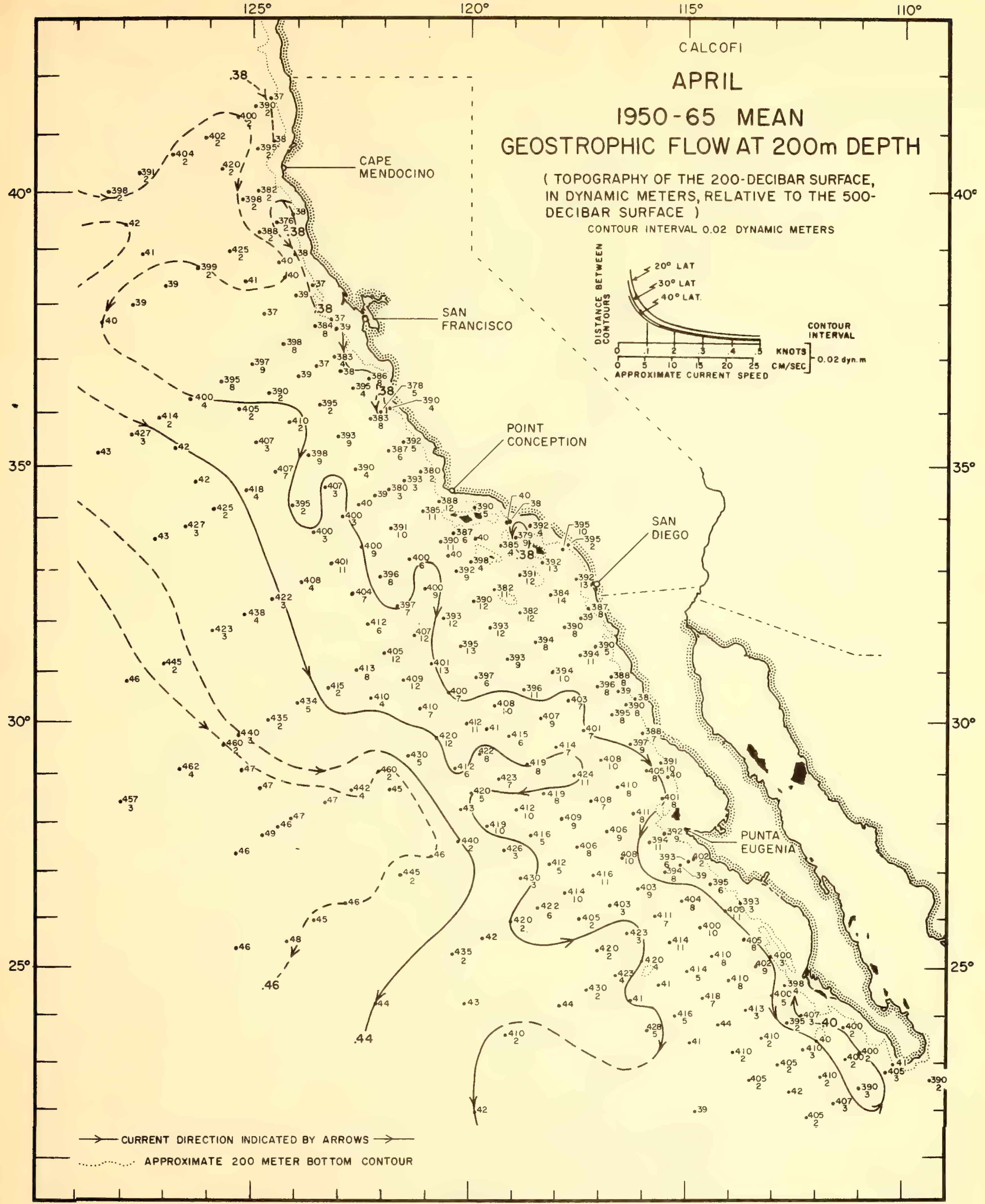

CALCOFI
APRIL
1950-65 MEAN
GEOSTROPHIC FLOW AT 200m DEPTH
(TOPOGRAPHY OF THE 200-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.02 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
20° LAT
30° LAT
40° LAT.
CONTOUR INTERVAL
KNOTS
CM/SEC
0.02 dyn. m
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
CURRENT DIRECTION INDICATED BY ARROWS
APPROXIMATE 200 METER BOTTOM CONTOUR
125°
120°
115°
110°
40°
35°
30°
25°

Figure VII-23.--Mean geostrophic flow at 200-m depth, California Coast, 1950-65 mean, by midseason month: April.

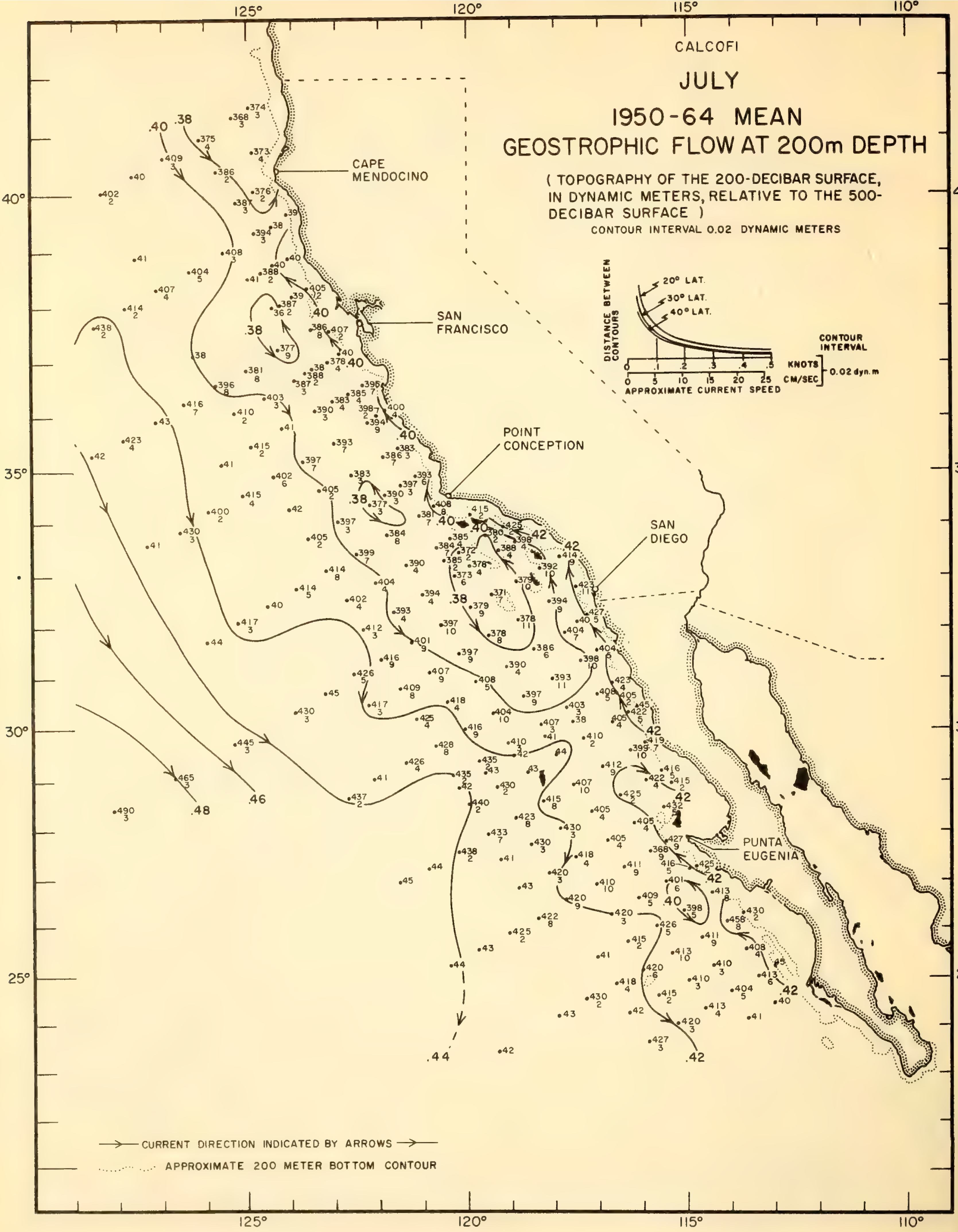

CALCOFI
JULY
1950-64 MEAN
GEOSTROPHIC FLOW AT 200m DEPTH
(TOPOGRAPHY OF THE 200-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.02 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
20° LAT.
30° LAT.
40° LAT.
KNOTS
CM/SEC
APPROXIMATE CURRENT SPEED
CONTOUR INTERVAL
0.02 dyn. m
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
.38
.40
.42
.44
.46
.48
CURRENT DIRECTION INDICATED BY ARROWS
APPROXIMATE 200 METER BOTTOM CONTOUR

Figure VII-24.--Mean geostrophic flow at 200-m depth, California Coast, 1950-65 mean, by midseason month: July.

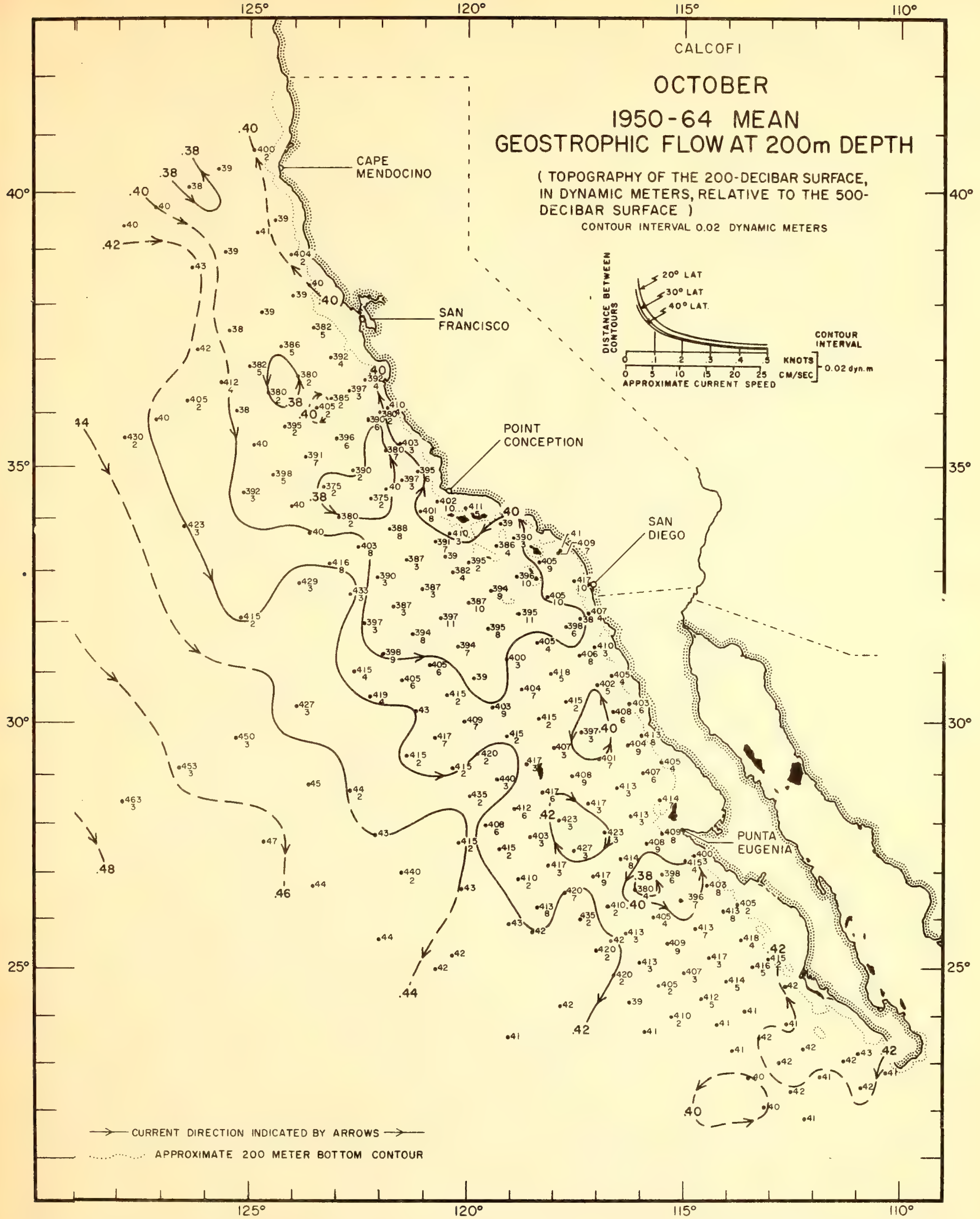

CALCOFI
OCTOBER
1950-64 MEAN
GEOSTROPHIC FLOW AT 200m DEPTH
(TOPOGRAPHY OF THE 200-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 500-DECIBAR SURFACE)
CONTOUR INTERVAL 0.02 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
20° LAT
30° LAT
40° LAT.
CONTOUR INTERVAL
KNOTS
CM/SEC
0.02 dyn. m
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
CURRENT DIRECTION INDICATED BY ARROWS
APPROXIMATE 200 METER BOTTOM CONTOUR
125°
120°
115°
110°
40°
35°
30°
25°

Figure VII-25.--Mean geostrophic flow at 200-m depth, California Coast, 1950-65 mean, by midseason month: October.

7. Mean Geostrophic Flow at 500 m.

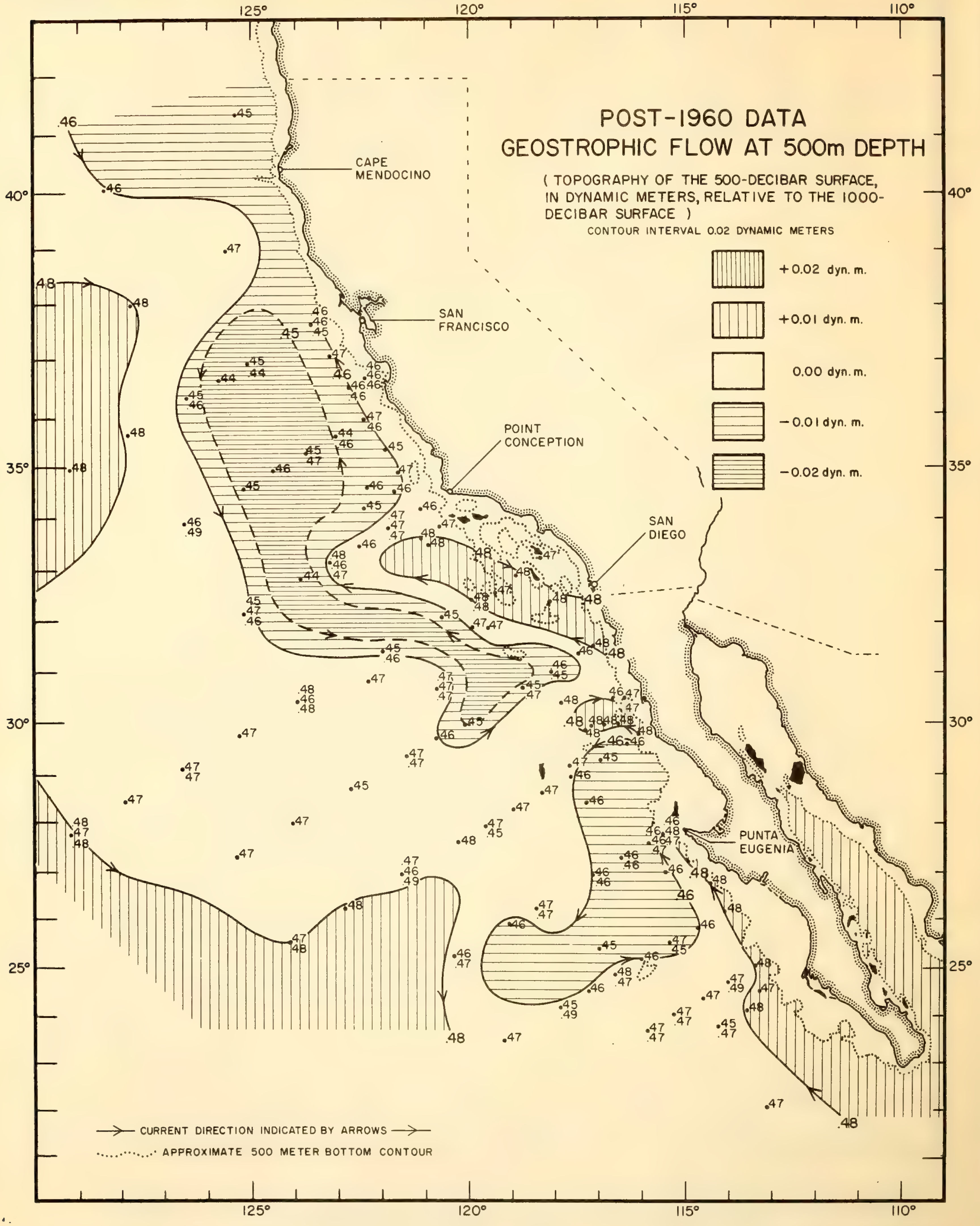

POST-1960 DATA
GEOSTROPHIC FLOW AT 500m DEPTH
(TOPOGRAPHY OF THE 500-DECIBAR SURFACE, IN DYNAMIC METERS, RELATIVE TO THE 1000-DECIBAR SURFACE)
CONTOUR INTERVAL 0.02 DYNAMIC METERS
+0.02 dyn. m.
+0.01 dyn. m.
0.00 dyn. m.
-0.01 dyn. m.
-0.02 dyn. m.
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
CURRENT DIRECTION INDICATED BY ARROWS
APPROXIMATE 500 METER BOTTOM CONTOUR
125°
120°
115°
110°
40°
35°
30°
25°

Figure VII-26.--Mean annual geostrophic flow at 500-m depth, California Coast.

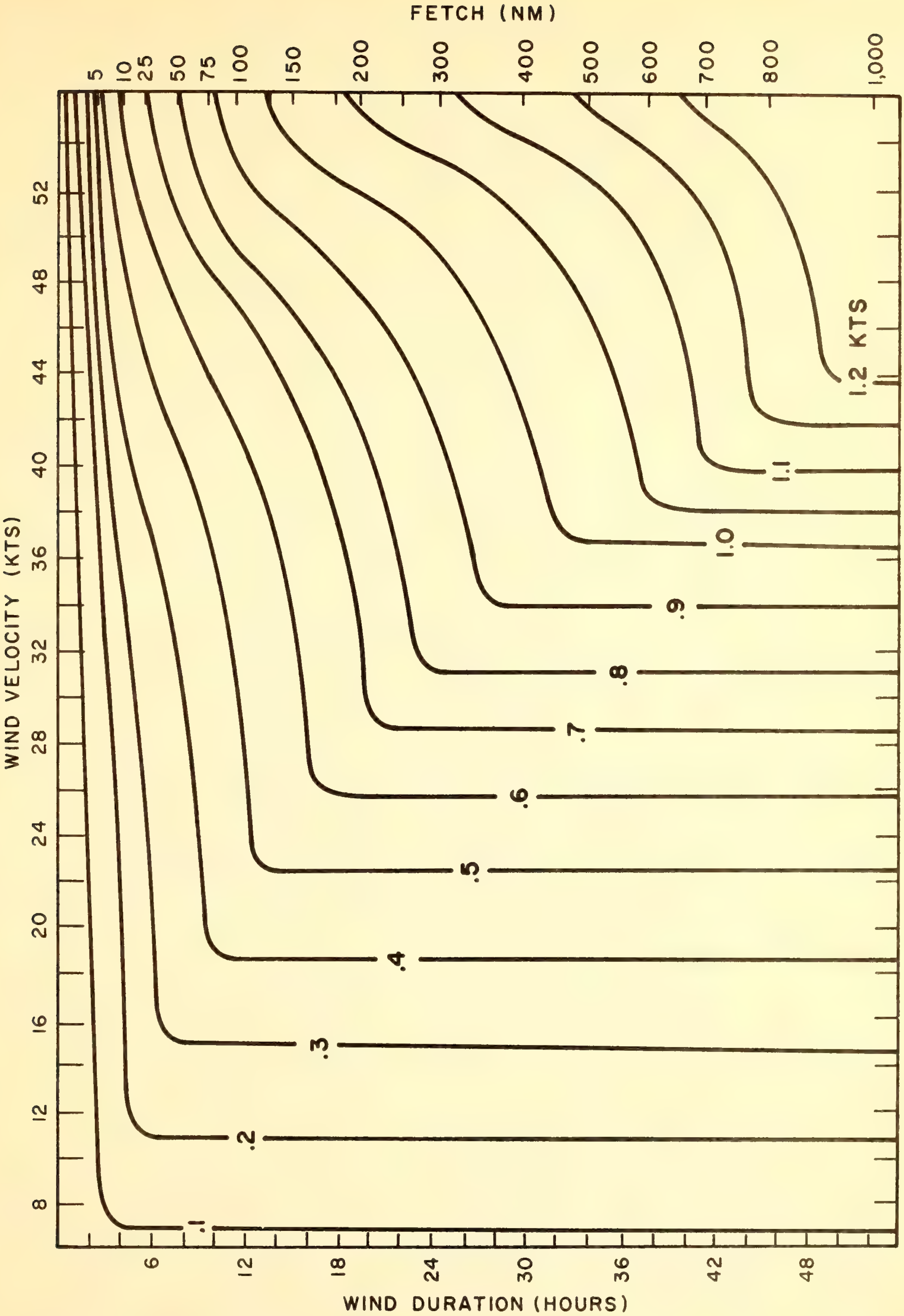
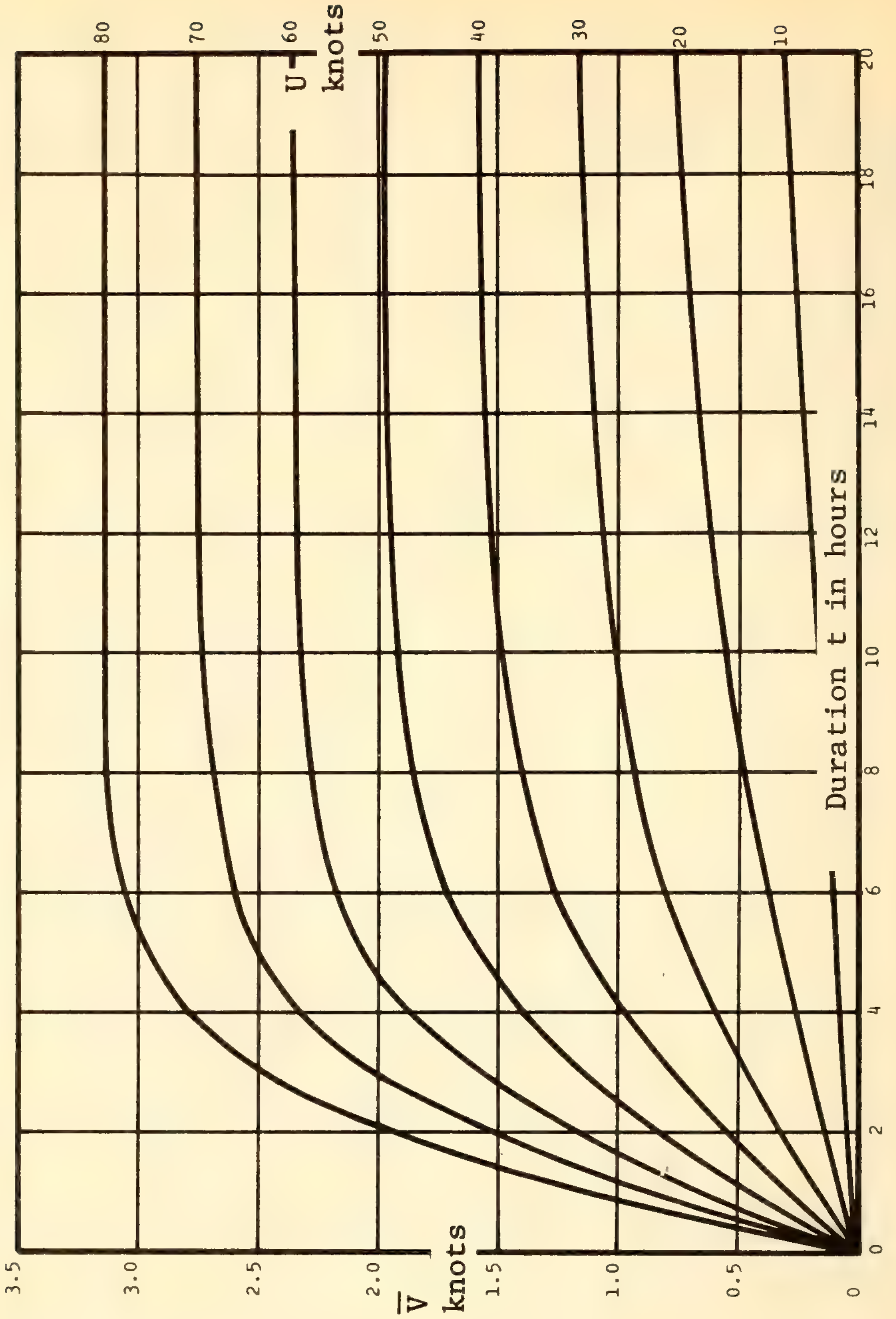


Figure VII-27.--Wind drift currents (kt) nomogram for deep water (James).



Mean current $\overline{V}$ for various wind speeds U and wind duration t for water depth D=100 ft (Manning's n=0.025 and k=3.0x10-6)

Figure VII-28.--Wind drift currents (kt) nomogram for shallow water (Bretschneider).

8. Vertical Temperature Cross Section, Depoe Bay, Oregon.

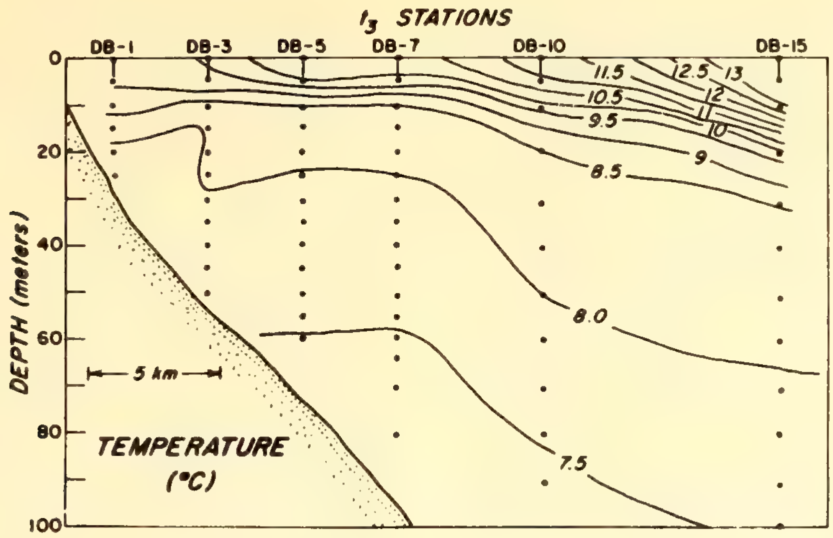


Figure VII-29.--Vertical temperature cross-section extending seaward from coast at Depoe Bay, Oregon (Pak et al).

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U.S. Naval Oceanographic Office, *Prototype Operational Oceanographic Atlas, Vol. II Thermal Structure,* to be published by Naval Oceanographic Office, Washington, D.C. 20390.

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Contains height, period, and braking characteristics for hurricane waves arriving from different directions at several Gulf of Mexico coastal sites. Frequency distributions are included.

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